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Editorial



So, the A1200 is back with a new pack. Amiga Magic and plenty of top software. Yes, the price is high but the quality of the productivity software is beyond question. If you le going to buy one though, I have a piece of advice I would have a held drive and are upgrading, or you need more than

(DIY will invalidate your warranty). Most of the software comes installed including Washbench 3.1 and this will make a missive difference to your Amaga enjayment. An exist £100 is worth it for peace of mind and you'll and up spending more later on if you don't get a HD at the outse

Unfortunately the games in Amiga Magic liave something to be desired but Arriga games are still fer cheaper than PC or console ones so acquiring a decent collection of software will not break the bank.

bon costs meant that keeping under £4.00 was impossible. The incresse Alan Dykas Editor

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The complete package of best Amiga sound sampling and editing software eyer is on this month's cover disk.

It's compatible with most samplars, but you don't need one to use it. Now make some noise!

e've really pulled out the stops for this one! AudioAdster if / Is the symples tool of the services of the ser

sampling tool of the professionals, but until now, getting hold of it hesn't been too gasy That's why we've decided to gover mount it with this month's magazine, not in a cutdown dema form, but in its entirety with all the original features enabled AudioMaster IV has been developed to work on all Amiges with 1Mb of RAM or more, from Workbench 1 3 upwards it's also intelligent anaugh to make good use of faster processors and extra RAM Unlike some sampling software, AudioMaster IV doesn't limit you to your Amiga's Chip RAM capac rty, allowing you to sample straight into Fast RAM to take full advantage of your system.

You'll need to boot from your terd drive or Workbench disk before you can loed AudioMaster I/ Refer to page 14 for full loadling instructions. If you have the CD edition of this madazine, you

AudioMaster IV is a stareo samplier and semple editor It works with 8 bit IFF and RAW samples for compatibility with all Armiga epplications, and can also be switched to operate in mono mode. When it comes to profeseional editing features. AudioMaster IV cannot be beaten

To get a feel for the kind of things you can do with AudioMaster, select Load -> To Edit Window from the Project menu Click on the 56,000sps Stareo' file and then click OK This is a stereo sample recorded at 55 930 KHz (CDs ere recorded at 44 1KHz). It has been saved as an AudioMaster sequence file, so when you hit the Play -Sequence button (beneath the waveform window) you'll see the sample played back in a prearranged order it's not the most inventive drum pattern, but you can learn quite a lot from it

sound is being pleyed. The two waveforms represent the left end night chennels of the sample (a stereo sample is actually two recordings, one for the night. This example shows show different sounds fook in the waveform display. The begs dram is a fairly





Treble sound Bass sound

smooth wave, as it doesn't contain many high frequencies. This is typical of bass sounds. The cymbal however is mostly made up of high frequencies and thase are represented on screen as lots of peaks and troughs clustared bolith together, Learning to 'see"

what a waveform sounds like is an important step towerds profes-For now we'll disable the sequence and just work on the sample as e continuous loop

To do this, click on the SEQ button on the left of the penel You should see that the Play -> Sequence but-

ton his now changed to read Play -> Wayaform, Next well use an option from the Effects menu Click the Renge

All button to select the whole sampla, and then choose Backwards -> Ranga from the Effects menu You now have the option of reversing the whole semple, or just one of the chennels Click on Left to flip the laft channel You can see the results of the reversel in the waveform

window Click the Waveform

Impressed? Of course you are

The control penel

Many of the most commonly used functions are accessed from the control panel beneath the waveform. The small cluster of buttons on the fer left ere for setting up loop sequences (this will ba covered in a forthcoming issue) Next there's the self axplanatory Stop button Beside this ere four Play buttons: Sequence/Wave, Display, Renge end Loop. These play the Show Range is a quick and simple method of zooming right into the highlighted area, which is expanded to fill the window Show All

brings the entire sample into view. The Volume slider controls the overall output volume, but doesn't effect the ectual volume of the sample data It's best to keep this at maximum, and adjust the volume on your hi fi or monitor controls

the waveform for fine editing Keep the left mouse button held down to zoom in to maximum megnification. Tela is used for zooming back out and works fust like Zoom but in reverse (remember that you can use Show All to snep streight back to the full wave display). The arrow buttons (marked < << end >>>) ere used to move the loop markers left and right. Click on the loop merker handles to select them Seek Zero is used to make





Guided Tour of the Edit Menus

Basisfanter (Elia) Wester 5 \$ B 1990-91 Barkean Gilbourg Pty Std educid under License-to Bryto Bres lore y Miritann of Soci, Inc.

Project Storting with the Project menu we have the follow monu we have the following options. Ahous: displays some information about this version of AudioMaster and the amount of free memory. Now: erees the current

Mov. A sees the current supplier from memory. Load supplier from properties and supplier from provides programs. Save I save supplier to supplier configuration, while the Compensate dynamics of the program configuration, while the Compensate dynamics of the current sumplier to as used buffer. Results capital the current sumplier to as used buffer. Results capital the current sumplier to as used buffer. Results capital the current sumplier to as used buffer. Results capital the current sumplier profit (see Sampling panel for such suppliers), which is sufficiently described by the current sumplier profit (see Sampling panel for suppliers). outputs your eample to a printer, Quit: sxits the program

Edit 1

Cast: removes the highlighted portion of the wave and meres it to the copy buffer. Capy: makes a copy of highlighted area in the copy buffer, Peete: inserts the contests of the copy buffer at the start of the salected range. op: mmoves everything except the highlighted part of

the wave. Replace ed portion with the contents of the copy buffer. Clear Buff wipes the copy buffer. range or copy buffer to silence. Swep Chen: swaps the left sad right waveforms Edit Freehand: o very powerful fac-ture that lets you

draw the sample weve with the mouse - just dray the mouse sroued the wave end held the left button to draw (use the silder to move slong the wave). Re-select it to switch bach to normal editing.

Certar to Start: moves the rauge cursor to the start of the warring Certar to Certar t buffer - re-select to undo

miga ware le. ers, .

o sam-

ad s ono -> To

OK This lad at see the

the played forms the day The

Sampling Sounds

f you've got a sound sampler cartridge, such as MagaloSound or echnosound you can use it with AudioMaster IV to glieb your own samples. Most parallel port samplers are supported, so if yours doesat seem to work at last, experiment with the Samples Configuration controls which are eveileble from the Options manu-

The sampling section is accessed by selecting Sampler from the Project menu You'll see the Digital Sampler window pop up, containing an oscilloscope (or two if you is in stereo mode), a couple of slidas and a few buttons. Making suit you have an audio source plugged into your sampler, which is plugged into your Arrigs, click of the scope, without flettening out (in which case it's too loud). If you get nothing but a flet line, check your cabling and sampler

The Sample Size slider is used to select the maximum emount of nory that the sample will use. This is specified in bytes, so if you wanted to allocate



300K to a sample, set the separ to reso 300000 The Sample Rate slider Is very important, as it can make the difference between a clean and a dirty sample. The scientific method of setting the sample



a few numbers and stick them on your monitor. For drums and vocals use 21056 Hz. which equates to E-3 in tracker pro-

grems such as OctaMED Instrument samples are best sampled et 16726 Hz (C-3) which will ellow you to play a wider range of notes when loaded into a sequencer. Use lower rates if you need to seve memory

You can also try sampling at twice the required rate, end then using the Tune Waveform feeture to transpose it down by an octave (which is equal to helf the sample rate). This can lead to slightly clearer samthe slider and enturing the value

The Vox On/Off button is used for automatic sample triggering When it's turned on, after you click the Sample button AudioMaster will wait until the incoming signal reaches a certain volume level. upon which it will start recording. If it is turned off, sampling can be started by clicking the left mouse button after clicking the Sample hutton. Press the left mouse button once again to stop sampling.

files too lest month a enormous popular registration cover disk. These files lactude a dictiosary that enables y to make use of the spell checking fuections, slong with a few other additional extract so enhance your dask top publishing. The extra files ere included on the floopy cover usually. The secret units are incurred to the Hospy Cover disk as a DNS erchive, which when expanded onto a disk is transformed into a next installer disk. To unpack the DMS erchive, enter 'Go Papestream' ofter booting the cover disk. Click the installer icon to add the files to PageStream.

Stream 2.2 Extras You'll also fiad on cover disk 119 and the CD some extra

Naska2 Display = 1749 olaxte

smooth loops. It works by shifting the currently selected loop marker left or right to the nearest part of the wave with a value of zero Both markers need to be moved to a zero position for this to be of enviuse. This doesn't quarantee a smooth loop, but it helps. Seek Loop ettempts to find a smooth

logo autometically, but manual option. Loop on/aff turns the loop on and off

Time stretching Time-stretching is just one of the meny special effects available from the Effects menu, found

Normally changing the pitch of a sample will change its length, but

Duration/Pitch option the pitch of e sample BORNEY DES

reteins the anginel length of the sample Anyone who's into junale at techno will be familier with the sound When used subtly, timestretching can bring a sound in piece of music. When used with

length. The reverse processes is called pitch shifting,

which alters the altch but

more extreme settings, the side sections of the wave, which can lead to a metallic achoing effect It's simple to use just edjust the sliders end click on Resample Date |

eusly popular PageStream 2.2

Yorstion, Fifth & Lauslekste (811)

Next Month There's fer too much on offer in AudioMester IV to cover it ell in this issue. Next Month we'll take a

good look at the special offects, including a thorough investigation of the powerful digital filtering eaction.

ioMasterIV aver Sinu a or.

Karting

A Demo by OTM



How to load Virtual Karting
Virtual Karting will lead directly off your cover dish.
Before you use the dish rashe sers to write pretect it,
this will ensure the Integrity of the data. Alse, make a
copy and keep the original safe.

efore you load Virtual Karting you'll need to disconnect Seriors you load Wittest Katting you in least to amounteed only peripherically you may have plugged into your 1/200, including PCMCIA hard drives and interfaces. This applies to all A12000. Otherwise the game will appear to lead and run properly wrill you press the fine button to start the game, spon which it will rever the selbach screen and refuse to proceed. If you have more than 30% of RMA you can move boot straight from the cover 10% of RMA you can be set the straight from the cover 10% of RMA you can be set the straight from the cover 10% of RMA you can be set the straight from the cover 10% of RMA you can be set the straight from the cover 10% of RMA you can be set the straight from the cover 10% of RMA you can be set the straight from th

rather of RAM year cent more bount straight frome the cover into another beautiful to the similar and part of the ven, broadings instrumed hard driven and arctimed Bropping to this with the boot orptimes. Breat year Aming and hold drown both recease buttons. Solvet thou Optimes well and the similar beautiful to the similar beautiful to the set that they may Disabelled instruct of Emolded. Now click not be and with the Virtual Karting disk in the driven, olds on Boot.

4000

There's something about the Virtual Karting boot asquence that doesn't agree with certain A4000s. If yours doesn't boot straight from the floppy, beat th hard drive and insert the Virtual Karting dish. Doub olick the Virtual Karting dish took on the NY.

25 frames per second? 50 fps on an accelerated Amiga? This game kicks dirt. Find out how with our axclusiva damo.



reach incredible speeds. So this is your chanca to test them out In this demo you can only rice on the Advanced track. Each race. lasts up to 60 seconds (one

minute for the padantic) and then you will exit to the startup screen

View options There are five methods of

viawing your kart. Each one represents a type of camera angle and will allow you to sea your 'feet' pressing the brake and accelerator Oh yes and an overhead view too Controls

- 9 Full Screen F1.
- · Big Feet F2 Mediare Feet F3.
- · Small Feet F4. Overhead F10.

When you seew it from over heed you need to press F10 again to return to a conven lignal forward view

can enter the Options Screen and take a look ground, but many of the settings cannot be changed Try auto or mauual gears though Manual is a bit difsmooth Although you are limited

to the 125cc kert this isn't a problem as it is the festest To race you can either click on the qualify button or the race one and then, with a four second count down you begin. Usa tha various views set out in the box below, accessed by the F keys to find one that you are comfy with Control is ultra simpla using a joystick ithe only option available in this demo). Pushing the joystick forward speeds you up, back and right steer you in those directious. If you are using manu-

al geers pressing fire and forward

will change up, while fire and

back will change down. See the

panel opposite on loading Virtual

Karting Follow the instructions very cerefully or you may encounter problems



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How to load disk 119

IF YOUR DISK WON'T LOAD

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Audiomaster IV

im is compressed to enable it to fit onto cover disk 119. You will need one blank formatted and write enabled disk to decompless Audiomaster IV. To do so place a write piotected copy of cover disk 119 into your Amiga's internal drive and restart it After the Amiga boots up a screen will appear with lext on it which reads 'To decompless Audiomaster type 'go Audiomaster' (without the guate marks). Do so end then press return. Follow the on-screen. prompts which will tell you when to Insert the blank disk. After inserting the blank disk your Arriga will copy Authornaster to it. After the massage 'all done!' appears on screen remove your new disk and lebel it Audiomister IV. To use it, restart your mechine load up Workbench. and insert the new Audiomester disk you have just created. Clicking on the disk icon and program will launch Audiomaster IV

Pagestream Extras

The PageStream extras file is compressed to enable it to fit on to cover disk 119 You will need one blenk formatted and write enabled disk to decompress it to. To do so, plece piece a write protected copy of cover disk 119 into your Amiga's internal drive and restart it. After the Amiga boots up a screen will appear with text on it which reads To decompress PageStream type 'go PageStream' (without the quote marks), Do so and then gress Return. Follow the on screen prompts which will tell you when to insert the blenk disk. After inserting the blank disk your Arriga will copy half of the program to disk. You will then be asked to put disk 119 back in the drive Do so. Finally, after decompressing the rest of the program to RAM the on-screen text will ask you to re-insert your blank disk. After the whole program has finished copying the message 'all done!' appears on screen. Remove your new disk and label it PageStream extras If you have a hard drive then you can add this to PageStream by restarting your Arniga and, once the Workbeach screen comes up, click on the disk ioon which will bring up a program entitled installer. Circking on this will install the extras to your existing copy of PageStraum (from cover disk 117) If you do not have a hard drive and are operating Page Stream from floppy the process is more complicated. We will explain this in detail next month

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· warp text inside shapes and bend text on curvest lust type your text and dick on a button

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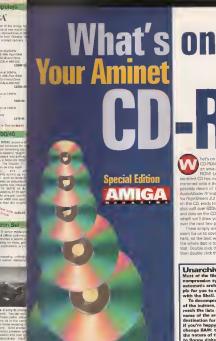
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This calls up an AmigeGuide doc-

hat's on your Ammet CD-ROM? What isn t on your Aminet CD-ROM! Let's face it this excellent CD has more items grammed onto it then you could possibly dream of Both AudioMaster IV and the extra fries for PageStream 2.2 are included on the CD, ready to go There's also well over 600Mb of software and data on the CD some of which we'll draw your attention to over the next few pages

There simply isn't enough soom for us to cover everything here, so the best way to browse the whole disc is to use the Index too! Double click the CD icon, then double click the Index Icon

ument with details on every file on the disc Archives can be extracted to

RAM or any other wateable disk you may have connected Here's

Don't Mis Aminet 8

The neet CD in the Aminet The next CD in the Amines series is due for release any day now. Aminet 5 is an essential purchase for all CD-RDM users and le pseked full of all the latest softwere from the Aminet erchive. Make sure you don't miss out!

Unarchiving The Files Most of the files on the CD ere archived with the popular

compression system LKA. The AmigeGuide indexes have autometic erchive decompression built in, making it sim-ple for you to access the files without massing around with the Shall.

To decompress on erchived group of files, open up one of the indexes, click on the highlighted text until you reach the lists of the archives. Now just click once on the name of the archive you want to decompress. The default destination for the unerchived files is the RAM: diek, and if you're happy with this, click on DK, otherwise you can change RAM: to the device of your choice. Depending on the nature of the erchives, they made need to be capied to floory disks or installed to a berd drive. Check the documents in the erchive to find out.

If you run into an arror during the unerchiving process, use the Prefs tool on the CD to make ours that the unorchiving tools and destinations are set correctly. If you still here problems, reed the Trouble Shooting guide.

Alternatively, copy the LHA file from the Tools drewer on the CD to the eye;c drawer of your herd drive end extract the file menually using LHA.

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CU Amiga Magazine goodies

When you chied not the cost for the membris cover CD, the window that progress will have according directions in 1 Mood of these are the standard developed present on any Ahmer CD but one divisive will be reprinded the several present on any Ahmer CD but one divisive will be reprincially Medizeric. "Generally the several will have visited goodles we edided to his Ahmer CD excluding Author/Mester i?" and the cars Mest for Physioliseria? 2 I lead that the control to cort disk in the civities will be physioliseria. 2 I lead that the control to cort disk in the civities will be these can be acclusived by simply disking on the releasent scan. After these can be acclusived by simply disking on the releasent scan. After the second 2 and without facing come but must have you have been for the control of the control of the control of the control of the time section to be uncreatived. Brough The will need to be draw in the Medical Medizeric in a first provided in the CD and can be trust from here. If you want to restall elsewhere, disapping the direves would be sufficient to copy it by one hardow. Set the Andersker instructions on page and the control of the control of the control of the control on the control of the con



Sound Samples and Music Modules

We are consensity adout by reacters to supply more sound samples and make modules on our over about 18 Lably appea construent of floppy date make the difficult, but the months an about to bolants for most of the sound of the s

If it's tracker modules you're after, you won't be disappointed. You'll find a whole bunch of them in the Mods diewer.



PD Demos

Hours of customing TO dumous are have too! They've enranged in eight recognition. Also, unknown, but they do not recognite that Duris hours, but they do not recognite that Duris have the sound to the third that they do not recognite the sound to the sound that they do not recognite the sound to the sound that they do not recognite the sound to the sound that they do not recognite the sound to the sound that they do not recognite the sound that the sound that they do not recognite the sound that t

Many of these damos feature strobing graphics. Sufferers from Epilepsy or similar conditions are advised to be wary of these.



Disk Tools

A variaty of utilities and tools are included to help you get the most from your storage devices, whether their means floopy disks, hard drives, CC-ROMs or anything else for that matter

In the CREAN draws you'll come across the latest version of the ARTH device shows which allow the commontment of cheep IDE CD ROM draws to the Artigo III the Opinin dlawer than 's a top date openine.' And the Artigo III the Opinin dlawer than 's a top date openine.' And the Artigo III the Opinin dlawer than 's a top date openine.' And the Artigo III the Opinin date of the Opinin dlawer than 's a top date openine of the Opinin dlawer than 's a top of the Opinin dlawer than 's and the Opinin dlawer than 's a top of the Opinin dlawer than 's and 's and 's a top of the Opinin dlawer than 's a top of the Opin

Games

so you want games too? No problem Lurking in the Gemes drawer are hundreds of ways to

make your day more fun. Whether it's arcada action, brarn-teasing puzziers, two-playar mayham or rola playing

It is also worth snooping around in tha commercial games including all the current

Doom clones along with a damo of Bubble Gun amonast others Space cardets should take a look at the Shoot drawer, which contains such dams as

Zombius 2 and Xasteroids

Music

vertors and more basidas

Centents | Disable | Relp Satraca | Browse C | Browse

Musicrans are catarad for too, logically in the Music drawer. The Edit section contains a number of music creation and editing tools, including a tracker, a sound affacts creater and editor a tool that can read audio data directly from music CDs (requires a Mac-competible CD-ROM), sample aditing software and more. For music module fars there's a good selectron of module players, including DeliTracker, PowerPlayer and Hippo Player The Misc draw is an Aladdm's cave of tools and software for sound fraaks and includes a four channel 8-bit hard disk racord-

ing package, an algorithmic music generator, irppers, con-

Utilities

Probably the most useful drawer for most Amrga usars will be the Util section. Here you can find the letest versions of just about for They're organised into nast drawars dapanding on their funcyour way around. If you've heard about a rather good utrity racently, the chances are thet you'll find rt here.

Images

This CD is also a brilliant source of high resolution rmages. The Pix drewer is home to some of imagas you'll have ever saen on your Amrgs screen

Most are stored in 24-bit To convert them to lower resolutions or raduce the emount of colours, you can ather use some drawer, or load them into oro grams such as Image FX, AdPro and Photoganics

Qual to the large size of many of the protures it won't be possible to view them all on a

Chack out the Fauna and Views drewers especially for some of the most spectaculer imagas. The two zebras shown frolicking about in the picture above is last one of the many exemplas of what can be found here Aren't thay levely and cute?



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Graphics Software

a you're into rendering your own graphics, you'll love the softwere in the GFX drawer in the 3D sectron you'll find the 3D revelopmen program C-Light, and Dust 2 02 which has some clever tricks up its sleava involving morphing, partcles and waves. Texture Studio is also there for anyona who wants to render their own textures for use in Imagine Fractal generators can be found in the Fract drawer

drag out an area of the pattern as it's drawn, press the space bar end watch the pratty patterns appear balore you

A host of graphics file convertors are filed in the Convidraw, including AutoPeg 1 55, GFX Con. GFX Lab 24, GFX Master, GIF Trans, Image Studio and many more. Graphics viewers are also in abundance, sitting in the Show drawer of the GFX area. These era venous utilities for

And The Rest ...

That's just a taste of what s on this month's incredible Aminet CD-ROM Thare's just ran t enough space to document the entire contants within these pages, so the best thing to do is take a look at the slick AmigaGuida Index in the mein CD drawer. This has datirils of can access and unpack most of the fries direct partrouler and you don't fency looking through the disc by hand, use the Find tool Entar the frie you re looking for, or just the first faw lattars, and you'll be told if anything matching that is contained on the CD, and if so where It rs and what it is

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Monitor For Success? Cinema 4D Update



A. The new Arriga mention according they much. Equipped with trein openhars his based on the Microfiter 1439. Two you'll have in mail, out I have a more than a his recover of a cost merch.

Final Calc From Softwood Arrives

has finally been released and CU Amige Magazine can reveal that it looks obsolutely superb. Although too late for review this issue a quick demonstration by its author, Khalid Aldoseii, a Bahreini businesaman, followed by some hours examination was enough to hint that this package could become the bast on the Amiga Central to its usefulness is file transfer compatibility to and from Lotus 123 and the most

powerful 2D and 3D graph renderer we have yet seen. Very useful for presentations. Mr. Aldosen has been working on it in perallel to running his business for over five years and he reckons he has come up with the most complete and easy to use spieadsheet package ever

hortly after this month's exclusive review of Cinema 4D went to next version, 2.1, would be aveilable by the time the package goes on sale cameras, animation, key frames, effects object hierarchies and the editor itself

The most important addition, however is ManicLink 3 'Lite Essentially the same as Castiflian i swewed in this issue. MagicLink 3 edds support for LightWave, Caligari and Real 3D objects as well as improved AutoCAD MedicLink witt be also be sold separately

for £49.95 offering additional features such as thumbned image creation support, enhanced more Contect HiSoft on 01525-718181 for



Italian Amiga Conference

'Italian Programmers' meeting for Amiga Davelopment' will essembte at the Conference hall of the Centro University ISU m Milan The conference features speeches by leading Itatan Amiga developers and the attendants will receive documentation floppy US \$35 and the same for a printed set of Conference Proceedings via air mail Attendants will need to book before November the 1st. For more information E-Meil Seraro Rugeco on rugaco@ dsi.ummuit

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ege and Dice 30, are to become a provider on the Internet Of No 1 Interest to Amrge users is their gener ous new offer of a free WWW page on their Amrga run servers for all Amrga developers



program of their present on the Ammet erchive The free pages will be used to create a directory of davelopcontaming personal information rather than

Super Tennis?



is gime ever according to Andy McVittie

advantrsements of their software. If you're on the Internet, why not drap in and see who's there at www.flevel.co.uk/amlga/programmers and www.flevel.co.uk/amiga/developers

Fourth Level have also become the UK drs Inbutors of Intangible Assets Manufacturing This means they II distribute the Envoy network mg software, DiskSelv 3, DiskSelv AFS, the excellent 'Connect your Amigal'(£11,99) Comms Vigil' (ETBA) video filmed by Dave Haynie For more information tel 0117 985 4455

Wonder Computers Expands

the largest Amiga-only companies on the North American continent, Wonder

product daysippment team known as work on Wonder 5 packages such as Flow, Quickwrite and DesrgnWorks to be bring

Amiga Magazine's regular Stateside contrib Jason Compton reassured the Amiga community that he will continue to publish his

Maplin Computer Brochure ca distributor Meptin, whose cata

specifically for computers. Looking at it, Amiga users but arwone who uses SCSI permherals or also has access to a PC or Mac may find it useful. They aim to bring out three of these catalogues per year and if you hassle them enough they might even

lago !

Multimedia Station review in last months issue unfortunately centamed the wrong telephone number for ICS. The correct number is 01474 335294 Rest essured that the offending member of staff has had their luncheon youchers revoked for

Termite 1.1 Released

mmunications terminal package Termite, has been updated by US based Oregon Research, Now in version 1.1 Modem transfers, improved ANSI emulation lump scrolling for speed, enhanced draller

The update is available with a new manual full review of the new version will leature in next month's CU Amrga Magazinii Telephone

White Knight Amiga 'Clone' Dealers

hite Knight Technology the Hertfordshire based high-end Amigs specialist, have been appointed the official UK distributor for the German MacroSystems product renge These products include the real time JPEG video editing VLab Motion card, the Topcata 16-bit 4 track, stereo direct-to-disk sound sampler and the Ratine 24-bit graph-Having installed a new demonstration

suite in their Hartfordshire headquarters, White Knight are Invitred customers to request a full demonstration of any of their roduct range by booking in advance White Knight will also retail the

MacroSystems Dreco This is a 68060 based computer which runs the Amiga's operating system without the Amiga custom hardware This machine includes the Retma BLT Z3 graphics board for the display SCSI capabili-

An upgrade to the Dec Alphe AXP re plenned for acceleration the Amrga pletform has never witnessed before. Also # 32 bit VLeb motron to interface direct to the

Draco's CPU will be offered. This will mean greater proture quality in real terms will less JPEG compression being needed. Interested parties should call White

non and pricus.

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Matt Broughton's Games in View

A new The Onel A new Amigel "NEWS!" shouts Matt Broughton in an embarrassingly overexcited wey.



. . 'interesting' Yes, capturing all the japes and ronmalistic specialities that we'd spent years perfecting, this new The One seemed to take great delight in telling you things such as "well, we could do what the old The One crew used to do with this page, and simply have a bit of

but then they don'tl, Anyway, enough bittai bitching, there are many other things to be talk about not lesst of which is the news that a new Amige will finally be on sale from the and of September The Amige Megic pack will retail at £399 and seems targeted more at hobbyists than gemers it comes with a standard A1200 Wordworth version 4 SE



Datastore 1 1. Organiser 1 1. TurboCalc 3.5. Personal Paint 6.4. games, Pinball Manua and Whizz You're no doubt already familiar with Whizz (cause we reviewed it yorks back) while Pinball Manta is vet enother metal ball offering from 21st Century, featuring four new tables, four filippers, and multi ball modes

Escom are set to confuse everyone by reserving the Commodore brend solely far PCrelated products. The little devils reckon they can enter the market with PCs up to 20 percent cheaper than too brands. Unfortunately Commodore has always been associated with the Amige in the

UK - so, er good Inck fellas) Blue Byte have confirmed that thate will be a follow-up to the

excellent The Settlers. with the PC version hitting the shelves early next year The bad news (that I'm sure you were expecting) is that Settlers II. Vens, Vidi, Vics, is cusrently only planned for PC CD-ROM Still, you never know, eh? Domaik have revealed that a massive adver-

tising campaign will be used to promote the sequel to the messive salling (250,000 copiest) Chempionship Meneger, CM2 is dua on the Amina before Christmas, and what with the original being the best seiling footy menegement came to date it should do wall. There will also be date disks to follow

On the more arcadev-side of things. Total Football is another Domerk product, this one being developed by m-house team. The Kremlin The game is touted as having the best animation in a footy game ever, with some 2500 frames for the players, with 50 moves all played over different kinds of pitches in variable weather conditions

Now, you know them as Renegade, but Warner Interactiva is the actual company responsible 2 Raported as 'shelved' by



A "Spare the cents for a cap of coffee gus" that? Recognition down and will be blow York.

Mayenck's The One it is in fact due for a February release Another ex-Renegade product to have slipped yet again is Fhahr of the Amazon Queen Originally due end September, this now looks more likely for a mrd-October shops Warnai Interactive have no further Amiga products planned Apparently, they ve not fmished with the humble mechine but have so many PC products on the go - along with messive guerenteed sales - that anything less than a Christmas number one has

been put to the bottom of the list. Gametek confirmed that the development nightmare known as Frontier, First Engaunters hes indeed been screpped completely to gram the product into an Amiga with anything lass then seven million Mbs of hard drive No doubt thousands of Ekte/Frontier saddies will be sgreaming and banging on their doors Still there's Star Crussder to look forward to at the end of October, while Baldies has been held back indefinitely (although things should start shiffing after Xmas) due to legal problems with the developers

And some good news to end on, is that Super Street Fighter 2 Turbo WILL be arriving towards the end of October and will fasture all of the super

combos, super finishing moves, and extre characters that made Gernatek's recent PC version such a success. But that's the lest game they're currently developing However, Gamatek will be looking et a new batch of releases sometime after Xmas, and will continue to support the machine

next year Hurrah!



HMV CHART ... Amiga top games No TITLE

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co-ROMS and your Amiga

technology. This feeture is the culminetion of ell the reviews of drives and discs in CU Amige Megezine for the lest year or so. Over the next six peges we will tell you how e CD-RDM drive actually works, provide you with e brief buyers guide to the drives themselves end e guide to over 50 CDs which will enhence your Amige enjoyment.

he Compect Disc was never intended to be a data storage medium for computers. However, since the technology involved storing music in a digital

involved storing music in a digital format it was naturally applied in this area when the miss production of CD mechanisms for adultiouse brought significant cost-reductors. Suddenly the medium looked very attrective to the computing world.

When the Dutch based Philips company developed the CD standard the specification was that e CD must lit the equivalent legislit of magic as a wmy LP on one side. Bendom scoops was essential though speed wasn't important. Fully digital stereo until only needs about 150 lielohytes per second but over 75 minutes that's a lot of data. This resulted in one dense speed of data. The data is made up of short and long

pits in the eluminium undercost of a CD. One might be tempted to think that short pits mean binary 10° and long pits binary 11° but in actual fact a change from short to long or long to short represents 11° and no change eg, two consecutive short or long pits means 10°.

Error Correction

Further to that, the actual steam of date is spread out over e flar distance so that if a whole run of persent can lead to see the service of
tracking a microscopic solial of gets with a laser is no easy business Especially when all CDs spi rais aren't deed centre. Speciel c curry checks the strangth of the signal and hunts back and forth for the ideal setting. These servos as they are known, will cause the laser assembly mounted on a caterpillar like spinning screw to move back and forth rapidly as the CD spins, tracking the slightly off centre spiral Also because this method requires the are CDs spin slower when the leser is at the adopt of a desc and fester in the centre. The speed is precisely controlled by snothin

Focused Lasers

ever if you looked at it directly contrary to the obligatory vellow warning stickers on ell CD players These solid state laser 'diodes' emt only a few milliwatts of power and most of this is in the enfrared where they ere tuned um data surface the clear epoxy CD coating helps to focus the beam tightly. The final serve in a mechanism handles the focus. This means that any dust particles on the surface of the CD are out of focus which halps further to eword data loss from surface contbe made to keep CDs free of fmgerprints since skin pils can siend the laser beam askew and date loss may result.

CD Cleaning Advice

* a CD needs cleaning it should to asped from the inside to the outside but never in a circuler motion. If a hard particle of dirt is woped over the drsc in a circular motion, the resulting scratch is much more likely cause mistrackeng than a scretch at right angles the used. If any detergent is needed it should be common household variety such as washing up hauld and warm water.

Amiga CD Options

Every model has some method of getting connected. We'll look at was the first to gain CD capability



A. This dispers are not be Districts the archings of the CA FIFM recitations. Disputely equifying jury and appendent amounts of sailed state afformation, instituted register of the control of the contr

into the left hand expansion port of the A500 and A500+. These units ere still eveilable at a cost so low that some users of later model Amigas have opted to keap their old A500 and A570 combinations and run a parallel network such as Painet to access the CD.

However, the A1200 and A600 have a much more impressiva set of options for CD-ROM. There ere three ways to ettech a CD-ROM drive. The flist is needly identical to the A500 vie a dedicated side cal type unit jacking into the A800 and A1200s PCMCIA mterfaca Economical and with a high degree of CD32 companiously choice for A600 and A1200 pwn ers Tha OverDrive CD and the Power CD-ROM are two examples of PCMCIA units. The next option involves the SCSI standaid A SCSI interface must be connected and an externally boxed SCSI CD-ROM connected vra a cable. Thara are two ways of implamenting SCSI on an A1200 and one on the A600. SCSI controller such as HISoft's Squirel' a relatively cheap and fast SCSI interface with first rate driver softwere. The other option and one that's not available to

en add-on SCSI board for certam trapdopi based accelerators.

Some A1200 eccelerators such as the Applio 1230 ectually poma with a SCSI interface as standard, adding a CD-ROM doesn't involve A600 and A1200 Recently CD-ROMs have emerged sporting IDE both have an IDE interface built in normally used for hard drives Using the ATAPI software (revrewed last month), the Armoa can use this Interface with IDE CD-ROMs. An additional banefit is that up to four devices can now he used instead of two with a special cable. An axternativ cased IDE CD-ROM is needed coupled with a length of IDE ribbon cable to trail out from the side of the

A600 and 1200, Last month CU Amige Magazine reviewed the ICS "Multimedia Station" that consists of a mini-towar complete with the ATAPI peckage This unit can nower your CD-ROM and house cheaper and faster 3.5" hard drives if need be

Big Boxes of **CD-ROMs**

Finally the big box Amigas from the A1500 to the A4000 tower, ell

s plethore of SCSI controller cards that will happily work with all SCSI CD-ROMs

The A2000 has no controllar es stenderd so will need one of these cards, though the 'HD' unit was shipped with a built in A209x controller which sadly needs a ROM upgrada to func-

tion correctly with CD-ROMS Unfortunataly wa know of no supplier so a new SCSI contiglier is the best bet. The A3000 has no drive hay bro enough for e CD-ROM and so it will need an external case though no controller is needed since the A3000 sports SCSI built-in.

The A4000's drive bay is a bit on the shellow side ap it's worth checking the dimensions of any prospective drive before purchese Since the A4000 also has an IDE interface, the ATAPI softwate can be brought to base so a cheap IDE CD-ROM mechanism could be used requiring no special controller

The bottom line is CD-ROM is not the future. It's here now and it's here cheap. A CD-ROM drive coupled with a modest selection of CDs creates a software library bayond your imagination, Buy vpuiself a CD-ROM drive and vou'll naver look back

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ndercost tempted ry "1" but тергеeg two

ction el stream er a fair do nun elo vould rep is inter-

od callad

The Aminet

As if you hedn't already noticed the CD issue of this month's CU Armos Magezine comes with a free Aminet CD, based on volume 7 of the Ammet series But what is Ammet and where did all this

softwere come from? The Aminet is a massive store of Amiga software on the Internet The main site is in Missouri, USA but there are many other 'mirrors' around the world These mirrors autometically receive every new Aminet file over the internet and add it to their own archive. Likewise a file. uploaded to one of these merors will be sent to Missoun which will send it in turn to all the others Armore developers the world over and the entire archive is managed by Swiss Amiga fan Urban Müller

Famously Large One of the reasons for the Aminet's size is that it's become

famous to the point where will upload it to the Aminet knowing that the global Amiga commuday Commercial developers will often release demos of their packages onto the Aminet - pro Commercial software upgrade

So what about those of us

who don't have internet eccess? That's where the CD-ROMs come in Every couple of months, Urban Müller puts all the new uploads onto a CD. This makes for a few hundred megabytes of Amiga still has much more space. So then Urban decided that with each new Aminet CD, he would introduce a theme. The CDs are single file on the Aminet in that genre With Aminet 7 and this Images It's a killer combination and it means that many Amiga

Aminet CDs. The ease of use money let alone the consistent search tool and documentation make Amenet CDs the best source of Amiga PD and sherewere money can buy You'll come to swear by your Ammet discs. whenever you need a particular file or utility, or when your collection of sound samples and protures feel you, the Aminet will be

there with a solution The Aminet is one of the Amiga's finest resources Its size and organisation put archives of Hats off to the Aminet and hets off to Urban Müller Well done and keep up the good work

How to Get onnected to D-ROM

ROM access The most common around the Squirrel SCSI inter-CIA port of the A1200 and A600 anyone using different Amiga dover software means that there to their Amiga

ROM drives were incompatible with the Amige but ATAPI has changed all that. There's also the question of which speed of drive you should get Standard speed waiting around during large and six-speed drives can move with large 24-bit images long Whether the speed increase

is worth the page depends on how often you plan to use the

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CD ROM owners collect all the



Is Writing to CD-ROMS Possible? CD-Write is new German software which appears to claim to anabla writing to CDs. But is this the case? Maka no mfetaka, CD-Write is definitely passing itself off as something that will allow you to write to CD-RDMs. Howaver, ft's not physically possible but what CD-Write does Instead le give the appearance of files being copied of deteted to and from a CD-RDM, CD-Write patches AmigaDDS so that it may modify any accesses to the CD-ROM davica/s. It then uses a ecratchpad area on your hard drive where it stome

the changes, whether they'm information about deleted files or complete new files that have been 'copied' onto the CD. For this mason, CD-Write has copped a lot of flack on the Internet from Amiga usem denouncing it se a hoex. That's a tad unfair as it's not hard to thinh of uses for the softwam. When eccasaing the CD-RDM logical davice name, it does indeed appear that you can write to it.

Lat's say for example that your favourite CD places a massive icon in the middle of your Workbanch. This would be a pain normally, but with CD-Write it could be replaced with a modest affort neatly filed away in a corner. Various windows could be changed to view by name rather than icon for quick and easy access for a lot of files. Project ton tooltypes could be changed so that their default tools point to the correct viewer or application program which normally is annoyingly literally set in apoxy,

Another use could also be for BBS SysOps who offen provide on-fine CDs for the punters to download. Suspect files could be deleted, however most SBS software normally heeps its own catalogue so this isn't mally necessary. CD-Write is useful if you have a lot of CDs and went to make some coametic and useful changes but in my opinion it's not something worth shalfing out this sort of money for. The main atiching point we have with it, though, is the misleading claims it makes on the box.

CD-Write is evailable from GTI Tel 0049 6171 85937. Price: £44 95

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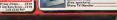
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Adult Sensation 2

Supplier: Epic Marketing Tel; 01793 490 988 Price: E19 99

I myone seeking further sensations in the florical as a Can choick sub. The part has changed slightly some files, so long as they're over 18. The plat has changed slightly some file the same family of the changed slightly some files are suffering the part of the same family of a carbon level or time. The bulk of the disk is filled with file and JRES package of haded and some naced women end when are some districting damnesse carbonite end horizon pais language quality is good, but the lack of any fortened working system less it down



World of Sound

Supplier: US Dieams Tel: 01483 728 397

Price. £14 95

Audio sample CDs are usually full of carefully edited and colleted sounds, recorded to high standaids and reedy to use CD-ROM sample discs tend to be compiled from any old rubbish the compilers can lay their hands on. World of Sound, however, is certainly batter then most, but don't expect 860Mb of usable samples end modulas (there's 438Mb on the disc). The samples take in sound effects, musical Instruments, drums and vocals, and if you're just messing around most of them will be fine, However, anyone who's senous about producing music will be disappointed by the scietchy, noisy, quiet samples that dominate this



collectron. Collectors of Amiga modules would do well to chack to ut as thata are planty on offer However, if you already heve a good collection of samples from the public domein, or other CD-ROMs, you already have a substentiel number of these samples.

_____70%

Speccy Sensations 2

Supplier: Epic Marketing

Tel: 01793 490 988 Price: £17 99

We could have set playing with this one all night (and probebly right up to next Christmas) if we didn't hava a magazine to produce. This, the follow-up to the profoal Speccy Sansations CD, is a messive collection of Spectrum games, dating back to 1982. The included on the CD, allowing you to load up and play hundreds of your old fevourites. Many of these now look comically pathetic, but others have somehow stood the test of time. If you went variety, it's here by the skipload with such divaise games as Mad Martha 2 Maziacs Eddia Kid Jump Challange, Stunt Car Recer, Hungry Horece, Elite end far too meny othars to list It's highly likaly that if you never played Spectrum games, you'll think these on utter tripe, but for nos talgia trippers it can't be beaten You even get a few pictures of per sonalities from the Spectrum world



World of Video

Supplier: US Dreams Tel: 01483 728 397 Pilce: £14.95

Billed rather veguely as The ultimate video collection for the Amga², Whird of Video tume out to be a collection of De and shaeware tools for both static and ammated Amga artists, along with a good selection of armisectors and pictures. The disc includes a large selection of image and armistion convession ultitles, video tellows; imaga processors, 30 sendering programs, potols for gaphies

boards and plenty mora besides. The trouble with this software is that is lot of it is either vary basic outdated or clippled she ware demos, so most off it soft the much use in the form it comes on the disc it's the smallar utilities that will be most useful, such as the convesion and viewing tools, while the animatoris light leaf if the mora to the soft is the same than the s





World of Amiga Supplier: US Dreams

Tel: 01483 728 397 Price: £14 95

World of Armas lecks a little direction, but a side affect of this is that it encompasses quite a enge of softwere end data Like virtually all other Amigs CD ROMs, the deta included is PD end sharewara. In this case it's split into two main directories games and data files. The gemes include Amiga Bouldardash. Scarched Tunks 1 75, Mine Runner and Deluxe Galaga among its highlights. The detaifiles are split into animations, dogs, pigtures, 3D objects (for imagine end LightWave), music modules (of which there are loads). Commodore 64 music modulas and sound samples. There's 500Mb of stuff hare and stuff is



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which are well balanced with the latest versions of software and data arranged in logical order Many of the files on here are shared agross the other US Dreams CDs reviewed in this artand this is worth bearing in mend if you are interested in more then one disc from this series A

-thely that snyone would want

return to this disc with any

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rents are sub-standard, it's

sust that the disc isn't as comple-

e the Aminet CDs, the contents

good disc even so.

Arcade Classics

Supplier: Epic Marketing Tal. 01793 490 988 Price: £14 99

There are plenty of PD geme compilations on CD, but most of the games on them are generally diseppointing Arcada Classics, however, does have some real classics. The drawers are divided into game types, such as Invaders, Asteroids, Platform, Breakout, Berzerk, Frogger Hunchback, Lode Runner, Pengo and so on Eech of these drawers contains a number of versions of these classics, archived in vanous

forms. Unfortunately there are no extraction tools provided, apart relevant grunchers (LHA, DMS atc) Neither is there a menu selector or search tool. You even heve to use the Show All Files option from the Workbench to see whal's on the drac. This wouldn't be so bad if the data on the CD was of a more 'technical' nature but a game collection should really be idiot proof (and a fair amount of thase cames crash on an A1200) Even so, there are some real gams here for fans of old style arcade games, and if you don't mind a bit of messing

Grolier Encyclopedia

Price: £26.99

Supplier: Epic Marketing Tel: 01793 490 988

If you really want to see the world through CD-ROM then this will be rather useful. The Grolier Electronic Encyclopedia stands out like a polished gem in the mass of shovelware that dominates the CD-ROM market It's a translation of the printed encyclopedia, originally written for the CD32 but compatible with the A1200 The bold high resolution text and buttons can easily be rend on even the most fuzzy TV and navigating around the numerous pages is simplified with a straight-forward point and click interfece it's not averflowing with pictures, but there ere enough to maintain the visual





interast CD32 owners can boot





Coming Soon

Empletors Unlimited is a CD dedicated to emulating different computer sys-tems. It promises emula softwere for Apple Muc, Ateri ST, Apple 2000, Gemeboy, Spectrum, Vic 20, Psion, Commodere 64 Amstrad, CPM, B&C, Z80, MSX and QL. We'll have a full review nest month



Sci-Fi Sensation

Suppfler: Epic PD Tal: 01793 490988 Price: £19.99

A teest for so-fi fens, this double CD set is full of things that make you go "Wow!" The first disc hes digitised pictures and sounds from classic sci-fi movies, a messive drawer containing spaces music modules along with the ever so friendly Eagle Pleyer for ease of use, objects for Imegina, LightWave, Real 30, 3D Studio and DXF Add to that a good selection of games and a smattering of other bits and pieces, and that's the first disc over with. The second is devoted. to animations, all of which are ready to play straight from the CD Double clicking the icons is usually enough to start them playing automatically, either speeling from CD or from RAM when there's enough available. If you're an avid collector of PD animations, games and samples, been in mind that as with all the PD collections reviewed here, you may well have seen, played or heard some of them before. Even so, this is a must for any so-fi fan who likes to but their own productions together





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World of Games

Supplier: US Dreams Price. £14.95

The trouble with most PD end shareware games is that they're usually written to work on the programmar's Amige system, and if they're incompatible with others, then tough. This leads to problems when someone puts together enother shovelware game collection and expects them all to work straight from the CD World of Gernes comes with a simple menu front and which is fine, but many of the games just refuse to work. As the compilers usually seem to axercise minimal quality control (if env) you end up with a mass of substandard incompatible games sprinklad with the occasional worthwhile effort. World of Gernes is no exception.

US Dileams also do a Top 100 Gernes A1200 disc which is tha same as the Top 100 Gemes CD32, reviewed on page 59. This has many games in common with the World of Games disc.

Software Buyers Guide

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ScreenScene



If I seemed a little bit negetive lest month, I'm sorry, It's just that when you have three games to review in en entire iceue things look pretty bleek.

However, ee promised, the ECTS (Europeen Computer Trade Show) came along and blaw some of our bluce away. The mond there wee actually one of desperation though as far other platforms were concerned. With the fell from grace of both the SNES and the Megadrive end overcrowding in the PC merket, the whole show wee geered towards the eavioure - Mesere Playetation and Seturn. And from what I saw It's going to take a lot of sales to recoup the development costs of gemes on these mechines. So what's needed

Which bringe me to my point. If publishers hadn't been so quick to drop the Amiga they mightn't be so down on their luck now. For years the Amige was the breed and butter of the industry, fuelling development for other pletforms and paying for the big, extravegent perties they were fond of et ECTS.

in the games market right now are some cash

generating volume cellers.

'9ut Amige gemee don't sell well eny more', le the stock enswer to this type of ergument. Rubbish. A good Amiga game still selle ... only bad ones fell. And fail miserebly. Sut softwere publishers prefer to hide behind 'market trende' instead of admitting to sloppy development strategise. Alan Dykes, Editor

•	Total	Football			 4:
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per Streetfig

Due for Release: November Publisher: Gametek © D1753 553 445

Lyou re a Super Streetlighter fen you'll know the difference," was Gemetek's Marcus Beer's confident response to the estion of why they were bringing out a new SSFII game so soon efter US Gold's Admittedly the PC version of SSFII Turbo



A. The graphics are looking very good in the Andya version of \$55% Turks. Misk, so far express.

the socks off SSF// But will the

same hold true for the Amrow? So far it ell sounds very promising between this and US Gold's version is speed. The turbo speed setting



need you sets a place mating france of sudance



A Russian wroatler Zaegerl and UE hurn Hairey under Series personne at each other nemerican in Clean lost week. A light in as the way Gascoobery raise left 100.

on the PC version of SSF II Turbo is incredibly fast and Gametek ere hoping to achieve the Welcome edditions include a new boss,

Akume, end the ebil to verform suver combos quickly carrying out your fighter's special move twice in succession when your power bar is full will sand into super combo mode where you can pulvense your oppo nent it won't be keyboard operated but Gametek say that they will be utilismo the full capabilities of the CD32 joypad. Due to be released for the A1200 and CD32 only, it

should be available for review next month Lies Coffies

Footba

Due for Release: October M Publisher: Domurk © D181 78D 2222

his is more like it', I thought, when I sew the letest version of the sprites on the pitch looked like real football players, not just undistinwhether they were heading the ball kicking spent some time getting the players to



A. Farm wig have a complete breakdoom as oor man a nicopyba net wenkameng. Samur techniquen 28 otennes (3, namés interesting

look as realistic as possible and proudly cleim that "over 2500 liames of snimetion have been used to make the sprites look and

Broughton if he hasn't used it on his news page. If you want to see with these menu pics. Thrilling don't you think?

One of the interesting new leatures of this isometric-viewed geme is that you ere able to able Shenanigans include back flips cart wheels, diving to the ground (Jupupigen

hends aloft and a lap of honour. Using ewhat type of calabration and how long or



▲ Hara's Handseland's tapes statestics. Hote and meanly graphets

What will they think of next? Soon gernes crowd end player two controls the pops Line Colline

Team

■ Due for Release: December Publisher: Impact Software @ 0181 988 8888

s the footy sasson kicks off, football games are predictably churned out again. This is good news for lootball fens, but bad news for games reviewers as, let's face it, most football games tend to be et, vary similar if not identicel However the one to beet is

still Sensible Soccer and only time will tell whether it can Team will have all the stan-

dard football game options cup and league competitions, team editing facilities, action replay and kit make up options

A New you can fidile about with some faction. to find which non will not you boot.

Impact are also promising screen updates of 50 frames per second and 'superbly' animated spites. Having played through an early version, the game does update very puckly but I beg to differ with the 'superbiv' enimated spates claim. Said spates are extremely small so it's incredibly

difficult to see if they are actually performing all that is promised Check out the screenshots for an size of the aprites. Features are supposed to headers, though However, the version we

include silding tackles and saw was in its embryonic stages so things could still look brighter (or more enimated at least)



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■ Price: £29.99 ■ Publisher: Manyk © 01302 890000

Fears is not a good name for geme. But will gamepley triumph over wordplay? Let's visit the world of Doom.



Doom patrol

changed the face of PC and, indeed farever Nothing thet come before could compare to it and for the first time in its life, the Amiga floundered Now I'm not biesed against any mechine (unless it's an Amstrad) but even I thought bucket and take as place, lyre end all in computer beeven. That was until Gloom and Alien Breed 3D Sure these were nowhere near as technically accomplished as Doom, but for the technology, the price of the hardwere and the





titles were in a

leegue of their own like Fews It's a typical example of on a bandwagon that is clearly moving too fast for them. They've seen the Amige producing worthy 'clones' of Doom, but it seems like explaining the concept of Doom games to them is like explaining quantum chromodynamics to a haddock

You see, they've completely missed the plot Aven Breed 3D and Gloom both trade

on atmosphere It's that corner' feeling that makes them so amazing pop up next You're under armed you're alone and if your pants time to put your leans in Fears, on the other hard.

looks like the programmers had come up with what they thought was a decent 3D engine and never looked any further

They ve ripped-oft Doom's graphics and they've tried to up off the plevability. If it had been done wall, they'd heve been leughing But they haven't With Fears Manyk has created a owne which doesn't get the pleyer involved to any extent. All the way





A. And so be not his death in a measuraly leastrading not of large after physicians a few pull accompany falls

through I was simply concentrate ing on finding the exit it wasn't a metter of survival and it didn't even reach the level of puzzle solving I simply wandered round. wasted a few blobby creatures and either died or went to the next stace

Death, eh?

Fundementally that s what this type of geme is about. But there wasn't a single time I felt ganuine ly sorry I had died. When you're ambushed by half-a-dozen entters in AB3D, you can feel annoyed It simply makes you want to go back and waste them. Here, though you just feel 'What the heck I'll have enother crack because the next level might be better' Unfortunitely the subsequent stages offer precious little else and all the time you're fully eware that you're pounding eway on an Amige keyboard and not

Speed Traps lith a game like this, the performance espabilities of your migs cas make a big difference as to how much you actually enjoy it.

A1200: Feers is a tough game to play on a standard A1200 The frame rate's low, even on the smallest acreen size, and it isses avan more of the etmosphere. It mally isn't worth bothering with if this is how you're going to have play it. ACCELERATED A 1200: Feet, smooth end you'd could be fergives for thinking it's Doom. Playing it talls a different story. The speed and visuals give way to the comical playability and you'll soon regret loading it.

A4000: If you don't have a 50MHz accelerator, this is the only other machine worth playing Fearz on. Actually, it's not worth playing Fearz on any machine when you could buy Alien Breed 3D or Gloom Instead.



didn't puzzle red round, eatures

But there It genuinehat the moht be rous little re fully and not

so which Doom clone is the one for you? Four contenders have a stake and, wall, technically, they're at decent enough. I've played three of them:



devotee, but this is elso e brillient geme with relentless pace, constant threets, enemies you can actually be afreid of end a good two-player combat mode

GLOOM Slightly more traditional when it comes to Doom-e-likes. Which, for me at least, is the only reason to buy it sheed of Alien Breed. I don't think it's as carebrelly involving, but there's lots to shoot

FEARS Sottom of the pile and not by accident. I cen't think of any reason why you should go for this game sheed of the other two. The other contender is Citedel, but I beven't pleved it vet.

k . re attacked by pink cropuses and green owerfs such look like escapess from the well incident It's more scheble then suspenseful. I'm or progression, but I'd rather running ewey from someone in one trousers and a chainsaw feeing griy coloured aquatic molluses. rade-A cruddy head-to-head mer player, you get no indication he s finng at you, presumably cause they couldn't be bothwith the extra graphics. He at stands there, erms by his se and the only time you realise oure being shot is when your mergy starts going down. Neither there any indication that you're and him. When I was playing gainst Alan I had to shout out genumely though the game had n other If that doesn't suck a kid with a McDonelds shake, then I don't know

thatly engaged in a seat-of your

it isn't helped by the fact that

erts fight for survival

Constructogameplay The only real redeeming factor in

mar does

wars is the level designer spefully, you should be able to reate better levels, but why other? The point about buying a sime is to be entertained, not wing to toil constructing your

own far more interesting levels After writing this semi-diatrible I can't help but feel that I sound a bit too hersh towards Fears But then, efter playing Breed 3D I don't see the point in this game It's technically well put together. but the gameolay's all wrong, Because of that I can't recommend it, elthough it's elso impossible to reelly merk it badly because it's not a truly bad prodyour Doarn clone list though

Mark Patterson



A Book' It's Jabba the But's possiper brother and be a about in kill you.



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Citadel

■ Price: £29.99 ■ Publisher: Black Legend © 01438 840003

The fourth and final instalment in the current batch of Doom clones arrives. Would Citadel please stand forward and make itself known?

It's lurry the sent of thought processes the happen while evaluation and the happen while evaluation or extractions only to find, over extractions only to find, over that though an different, that you're ristly algorisms was either eight or wrong. With Chaded my mind changed everel turns end just prove lain in the logical or which we have the public of the resid of the test of the

There's absolutely no esson why I should tell you about the plot of Chitefel, because if you don't have lended on first per son perspective Doorn style garnes by now you're either genuinely not interested, in which case you shouldn't be reading this, or Garmen, where the laws of the land proscribe too much violence in computer games.



create a game etmosphere with so much realism that it senously excites the adrenet glands in a way that no top-down or side-on view shoot 'em up ever his When Chadal was originally

previewed it was a bit of a mysray Hwing been used to Blocky graphics in both Gloom and Men Rend 30, Chade come as a surprise. Even up close, most of its testures remand solid and the entities, from mannes to the uniquitous (losting warms lookad cominishing enough, went bloogs and the surprise of the surprise of the Adding to the mystery was the fact that all of the text was in Polish (the devalopers, Arekis Software end the unfortunately named VD are based in Gdansk), including the options and loading screen and the on-screen prompts

On scient prompts? Yei This is a bit of a departure for Dourse seque adventives Charlet finds itself atting (somewhat uncomfortably) found on the fence between an old style graphic or toxt adventure and the new breed of shoot "err up with which it so readily identifies, Not only does a little flauters-style scrolling text.

little Reuters-style scrolling text bar at the bottom of the screen let you know what you've picked up when you run over en object, if you press five without a weapon in his hand your cherecter will 'examine' an object, erea or wall Sometimes this yields something valuable, like a hidden coom or taleporter, sometimes it just scrolls I see nothing' or 'Nothing except starking eri' messages. These are all light to begin with but soon begin to grate, especially if what you are after is action.

All action

But action there is aplenty Catadel is a difficult game, even on easy made It's sometimes difficult to find a weapons upgrade and there air times when an unleasonable amount of aliens will ettack you, giving you little hope of survival This becomes annoying because although there are plenty of medikits around for you to pick up you've got to reach them fast because there era no extra lives. At the end of each level you can save the game, but if you die holnght back to the mein menu and start again

To ectually win the game you have to collect parts of a bomb and destroy the Citadel. The game is divided up into six ereas and each one of these contains several lavels and one piece of the bomb. After you have completed level one, the arriy level you don't automatically have to ge



▲ Methyle nephralism sity! The manys of stroppose or good but some are not an powerful sy they. ◆ There is a map of the Chindel. Part of a family as hidden as secto rose whosh you must collect.

onto enother set feval, you can choosa one of two which are accessible. In this way you can get mora experience of the maze I've said it's difficult and it is,

so thankfully Arrakis hava included practica levals for each part of the Citadel To have a hope of getting through the game you really nead to play these gractice levels first, Indeed, in many ways, true Doom seekers will enjoy the practice modes better than the real game because they ere absolutely filled with handy weapons and dastardly enemies

Runs on A500s The really big news about Citadel

though is the fact that theoretical ly it will run on an A500 You need 1Mb of RAM but yes, we've tried it on one end to and behold it loads, it moves, it plays. That's something which AB3D, Gloam or Fesrs don't have! Though Merk Sibly is promising on ECS version of Gloom

I say theoretically because although strictly speaking it does, ie it loads up and you can start playing it, it's pretty cheesy In

am or

Nothing

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ty Citadel

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A Appropries let may ned a plot office Yesterder

fact it's like wading through a val full of hot Gorgonzola with with no pag on your nose If you've ever seen the part in the A-Team where everyone goes into slow motion while there's a battle going on you'll have a rough idea of what Candel is like on a basic Arnigs, even if there isn't a battle in progress Luckily you can scale the screen down to one fifth of its normal size and reduce the detail This ectually results in a firstar A4000 040 in full screen mode Unfortunately by this stage the playing screen is the size of a

A Citedal is noty and so mictake, 8s 'Stock' option here last blood, Shorely saleshed shoot

postage stamp, but boy does it fly A pair of binoculars would

The news ign't that much better an an A1200, believe it or not It's still slow compared to either AB3D or Gloom Only when you get into speed reelms of about 50Mhz (in eithei 030 oi 060 Iorm take your pick) does Citedel really shine It's spead is really top class with a decent mechine behind it

Tough decision about Citade! though The text bar at the bottom of the playing screen does get annoying from time to time for instance. When you bend into the wall it starts. 'ouch!' and 'watch where you're going' which ere, guite frankly, very unamusing. The other thing about crashing into walls is that Arraks have chosen to completely ruin their lovely close up graphics by daliberately corrupting them if you hit a wall. There is no need for this A game like Citadel is supposed to convey at least some sensa of realism, but the last time my senses went all fuzzy simply by banging into a wall (and I don't make a habit of this sort of thing readers) was when I braked too

hard on my bike and want flying over the handle bars, age 12 Another thing I didn't like was lack of power in some of the waspons. A double barrelled shotgun loaks impressive, but isn't. Also, although effective, the flame gun simply lights up your enemy but doesn't down' them It eventually will but in the meantime you cen't walk pest them and if they touch you you'll lose power points. On the up side though Arrekis have built in a brilliant mouse/joystick/keyboard control system that warmed my finders. with delight. With any game of this lik aiming your gun using the

direction keys is a bit difficult, but using the mouse, precise shoot-Ing could be initiated

As I said at the beginning opinions on Charde/ shifted like sand One moment it was slow and rubbish, next it was 'take look at this it's much better on an accelerated machine. So it's a difficult one to score. On an standard A1200 It's worth about 78% and as a Deam clona it's worth about 70% But then again, Arrake never really intended it to be a diract Doom olona it has too much of an advanture angle to it for that, if you look at it as a shoot 'em up/adventure hybrid and wheck it onto a mechine with podias of fast RAM or a decent accelerator, it's worth about 85% Finally I'm really going to stick my neck out here, but there is just no alternative to Citadel for A500 owners at the moment, despite the minuscule screen size you heve to play it on. So get at | Aton Dykes

CITADEL workhoock version.....

unnier of disks 1866 m berd dieb jestellable co

Citedel is designed to run on any Amiga with 1Mb of RAM. However, try senning it at the standard screen size on an A500 and it's leughable. To help out there are a total of 8 different screen sizes and you can reduce the graphic detail and get rid of floors and calling. All of which will make it ree like lighteieg os sey reachies – bet at a cost





Pinball Mania

■ Price: £29.99 ■ Publisher: 21st Century @ 01235 851852

What's this? A new game from 21st Century? My, whatever can it be? Lawks a mussy, what a surprise, It's a new pinball bash and it's free with the new Amiga 1200, hurrah!

inhall sh? At the end of the day it s just a losd of old balls sh?? And bumpers And lights and flippers and remos and noises

and bonuses and pure unsatulterated advantage pumping, fun-filled chaos Isn't it? Well that's what it's supposed to be, at any rate. Unfortunately, the best folid plans often don't come to fruiton.

21st Century are old hands at the pubbli game game, having chunned out tons of them in the past. In fact you can almost irreging what it's like at one of 21st Century a software development makings.

"So what sort of game shall we start working on next then guys? Any suggestions?"

'Hey boss, I va got a great ides, how s about creating a pinball game'

ball game"
"Wow, that is great idea, lat's
gat cracking and do it"

We may mock, but on the other hand computer proball, if done properly, is great and 21st Century has certainly proved itself adept at the art, producing several extremely enjoyable ones in the pest few.

years Anball Illusions, released at the beginning of this year.



A. The feart table is the game: het it's not ready worth the money it the atter 75% non t up in neurals. Could it be that non development term Systemet! per arms's so appreciated in the game as Reptal Hussian ?

prime example of this, being a game which is ado ed by all and sundry here at CU Amiga Mag. But enough of the history. Jessow, "what shout the game in head", if hear you scream?" "Surely they can't continue to flog the same old deed house without the

whip breaking?" Okay, okay, I'm getting thara. Flist up, a run down of what 21st Century have got on offer for us this time.

Tables Galore
The first table is dubbed Tarantula
and, funnily enough, has a subtle

A lanthol/Pinhali, the lumer relick one we all profes (Spank for years) — mt)

but undamably distinct arachisid thems to it (these's a humunoous great spides from hell planked nght in the middle of the table for starters) The web releted activities of this domain include, just to offer a few examples, a Multibonus where you have to light up the WEB letters to notch up a welcome 20,000 points Follow this up with a ball shot through the flashing WEB letters and you pick up a huge X2 bonus and one million luverlay points Poison slot to pick up assorted points galore end if you finalli managa to spall out TARANTULA ino mean feet because these babsis sie hard to reach) you

notch up an earth-shattsung 50,000 000 points.

And so it goes on with more and more targets to aim for to open up further point-scoring opportunities to push that total of yours into the multi-million.

brackat The main attraction to head for of course, is the the multi-ball mode schewed by

es all

rungous table for

letters adt so

nelly

888

vou

shooting the ball out of the FANG platform through the FANG escape in tesk which is as haid as a very heid Ihing indeed). Not only is this on irritatingly difficult aim to echieve, but you only get a two ball multi-ball which is a reel let down Surely the normal three-ball multi-ball wouldn't have completely broken the mem-

If you re a bit of an erachne phobe, you can always go for e bit of correctional therapy in Jailbreak Here a stem looking rudge sits in judgment on your activities, while your balling antics , can achieve the release or reling of a suspect, start a not or sentence a person to something particularly unpleasent. This table has got the unusual feature of a pan of flippers right in the middle which let's you aim for all those Blusive bonus (not necessarily with any success, I might add) For the foolie fees there s.a.

outs and liophy targets to to arm

Jackpot table which is more inventively designed and features Roulette end Craps shots to go for which were at least veguely interective if e little short-lived fafter winning et Hi/Lp | would have preferred to carry on until I last for example).

The Bottom Line I've deliberately left any personal opinions of the game until fealy

neer the end because, quite frankly, they are not particularly Isvourable It's not that Pinball Menia is a particularly bad game. or enything, but then neither is it particularly good - if falls slap bang into the realm of averege From a company that has so much expenence in this genie I really would have expected much better then what They've gone and out

on offer here My main quibble is with the battom flip pers, talk ebout limp, most of the time they have about much life in them as a fart in a bottle, pathetically nudging the bell barely centimelies up the screen Consequently it's very difficult to get near the top end of the table where all the action is I To make matters worse, in my view, they are completely erratic - I believe in Lesting

games thoroughly so I spent

ours teeing the ball off from the exect same spot of the same angle on the flippers and the response was widely different nearly every time I tried il. Most times, as already mentioned, it was hardly worth the affort, but occasionally it would just shoot off at high speed for no

particuler reason that I could meke out Some tables were better than others (I actually quite enjoyed the Jackpol table) but all were afflicted with the same meledies, es in lack of features and a rather flat, whole expenence is and but. unfortunately, the expected sound are sedly absent. As I've said. Pinhall Manie itn't bed end the disk swapping retio was perfectly ecceptable, but I did come away feeling it was e bit of a let down especially from a company with so much expenence in this field Lucy Hickmen



A It's keeds the accuract andm in the world banks more this a rather may if you not me.

d. Lanks like there's a lileady great tappie or the meditic of the code. The thint is's these that 21rd Contemp lanked britten affold and othered Oceaning the accordant tables we have Seeing or pade



NBALL MANIA

rombar al finis BAM 2686 III hard dook leastaffable

Hollywood Hustler

Price: £24.95 M Publisher: Desert Star Software © 01482 8712 0



A figure, and submit fits one as to text, and submit its a type and is tempted at regarding of a part bod or take high stem solds and of the final lateral part of the same stems represented the submit fits back. Loose women, strong liquor and a game of cards star in

liquor and a game of cards star in this cinematic er ... experience.

ts been a long end 8oulevard (California) If you

yvery day, you've lost you go lob, you can have been expossessed end you gaillened Sales hes sust und iff with her smalest. What is a boy in expossed commitment—ally lost (B) Sod responsibility, get peased and blow your last pay check on e pokes gambling spriee Vessum you guessed if. Seedy the commitment—ally lost (B) Sod responsibility, get peased must blow your last pay check one pokes gambling spriee Vessum you guessed if. Seedy diek pokes room have we come hollowed facilities in your pokes simulation geme. Straight, not fills, five card pokes game for fills, five card pokes game for fills, five card pokes game for fills, five card pokes game.



l pole of ocus and I'm feoling heres. Let's rome the otologie o lit day the joyetisk op on the betienisch him will higher the otolica

Baulevard (California). If you haven't played poken before the accompanying menual explains it all for you. Cantrol is simple enough, ell you. Cantrol is simple enough, ell you. Battol is called as a line batfallae, chack or diopolions and when you ask for new cards, choose the card you want to throw by selecting it and holding the jaystok down.

Three endings
The aim of the game obviously,

is to we as much money as possible by pitting your wits egainst against three dublous opponents. These charming characters (nott) add to the overall ambience by ultering choice.

out the cheese? In drawling American accents and make loud farting noises And Just to make it even tackler, a topless wait loss appears waity now end then to hill up your glesses Fon some it might be enough just to anjoy this build.

game of poker but Desert Star Thought it would be a good idea to edd an extre "canot" to the game. You see as well as taking part in a game of poker you also gat involved a storying which has been differed progress.

depending on how much you win or lose When you sign in at the club,

When you sign his the club, et 71 is on in the background and a woman colled Jacke (who's a Virgo, by the way's describing his dead date if you lose manay first down his expect of the club, but if you leave that stable with a substantial same youll find you serve that stable with a substantial same youll find you serve that stable with a substantial same youll find you serve that stable with a substantial same youll find you serve that stable with a substantial same youll find you serve that stable however, you've hit had begt men You and Jacke got logal the and head off to the highlywood hills for a right of passion which sets you of passion which sets you for safety for the same your safety had been a substantial to the same your which sets you will be safety from your safety safety for the manner of the safety safety safety safety for the safety sa

Suffer baby

enough the chunky digitised gisphics make it were facious. But that is obviously the ern. Apart from this gatantious books on displey, I enoped the game (as much as one does enopy poker) and found it quite easy to win a few scrount. At the esteest level the Gods seem to amilio on you and

you are frequently deall a very good hand. Things get truckies on the other two levels but not loc much To make it to the the Hustler high score lable it 's probably best to choose unlemed hands within the 15, or 25 hands options. The en get as much money.

hands options. This way you can get as much money as possible. Thankfully, there is a save gene option so you don! have to play whole the game in one sitting.



tucker of dixts 3 Nb had disk installed a Ra jumphism 407 August 4

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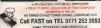
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Wheelspin

Price: £29.99 Publisher: Black Legend © 01438 840004

A good racing gama warms the heart. But how much heat this new offering from Black Lagend offers remains to be seen.

ather coincidentally. pietty much the last thing I wrote for The One (apart from the obstuery!) was a Work in Progress los this little fella - and jolly nice it looked too. Of course, the main problem was that we never ectual ly saw the thing junning, and as is elways the way with racing games, success is down to the handling and playability Wall, if first impressions are anything to go by, this product could be in trouble

As the game loads, the initial presentation screens are very nice indeed accompanied by some excallent music, even as you select your car and driver, the graphics look very good. However (and here it comes) the moment you get to the track, even though things are still looking pretty, the lights go green the cars start to move and it all goes horribly



& Set a tes! Nace or the descrit felt all a bridge!



A Well, it is bardly Effrentises. And the care there



A Wooldn't it be much ware for fiving that belicapter and raising burningbut man-yes shouth as the occupants of the care?

wrong I will explain why in a moment, but first I feel it only fair to give you a bit of info.

Fine details

Wheelspin curtainly can i be onticised for options, with ten tracks on offer and eight characters to choose from The drivers have been gathered from around the would, each one carrying a differing set of statistics end attributes You might want to go for the sharp reflexes of the American, but then again you might finney the excellent top speed of the Frenchmen The choice (as they say) is yours The cars available elso vary, with treditional racing game buggies along with off-road vehicles and sports cars. There's a World Car in their too (a sort of VAN Reedle effault but you won't be able to access that until you've completed the leagues involving the first three cars mentioned.

The tracks themselves also very diametically with icy condibons, forests canyons and ell vour regular favountes included And as if that wasn't enough, there are a variety of different game types to chose from, allowing the cars to be influenced by,

mong other things. extra hilanous japes cars rump when hit.

tings to make the are fired, allowing overhead overtaking manocuvies

Not in that

colour Another regular feature we've come to expect from racing games such as this, is the opportunity to earn dosh and upgrade your car as you work your way through the tournaments. Before each race a simple screen appears allowing you to change between engine, tyre, and suspension types (if you've got the budget obviously): Here you can elso invest in additional nitro charges, which can then be accessed during the geme by pushing lorwards. And that sen tence brings me (although you can tell I've been evoiding it) to talk about the ectual gameplay

Poor Performance

Yes, everything's going your first chence to test out the handling of the car, and it's

machine off So what exactly is the problem? Well, Imagine that you had a tiny car - albeit a very pietty hi-res one - and then you stuck a pin through the very centre of the roof and into the floor undernesth. Now turn left but rather than turning with envi sort of realism. It just spins appund on the pin Hmm, feels pretty good doesn't it Well no



A The split-across made in GE, but it) hard to judge the track and down I beat \$60





tainly doesn't live up to expectations

efter all that lovely presentation Now I've had a chat with the top bloke et Bleck Legend, end according to him, this is deliberete, because the car is MEANT to start off best part of uncontrollable as "It's lots of fun skidding around" The idea being that your car is so uncontrollable that you want to keep playing until you can buy a car with better handling Eh? Why not just show off the fact that you have a decent game and draw the pleyer in with promise of a good time, rather than tease him with promises end

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hope that he can be bothered to play long enough to be rewarded. To be honest, if I wasn't reviewing this, I certainly wouldn't have lasted that long Just to ease off the 'whinge

pedal for a moment, it's not ell bad news in Wheelsow, and once you do get the heng of the control method, there is some fun to be had The mein problem is that, while the likes of Skidmerks and Micro Mechines exist, there's no reason to recommend Wheelspin The CPU intelligence is good, and though the cars do tend to travel round in e geng, they monitor your skill level. If you're obviously gran, they'll slow down slightly to make it more of a fair challenge end if you're hot stuff they'll put The spirt-screen is a nice feature, but again, we've seen it done before - end we've seen it done better (with the tracks oute often too herd to follow in this mode) Sony chaps, but until you can

produce a game that challenges Skidmerks ét al. don't expect roaringly high scores Matt Broughton



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What with there being a bit of drought as far as new releases go. Matt 9roughton sits down end spends an evening in CD PD hell.

don't know why, but usa appears to have last to include not only Games News, Snrp Tips, and Game Reviews but now also en activity known simply as 'sifting through robbish' I mean, when you receive a disk calling itself Top 100 Games CD32' you have to scratch your head and wonder because as far es I was aware there haven't even been twenty

good gemes for the CD32, let alone 1001 Anyway I sat mysalf down armed only with a trusty old CD32 and an extremely opan mind then I saw the menu screen and realised I'd been tricked into

Now although I used to complain about doing PD Zone for The One I ectually quite looked hundreds of disks that used to arrive armoly because there was always the odd corker hidden away in amongst all the plop Come with me now, as I reenect

last night's events for you OK, let's be methodical and go through these in alphabatical order, with the first competitor



A The nogical Eleveter Action to over a decade ald

being AGA Tetris. And . rt doesn't work Excellent, Next np is Air Stake 2 which turns out to be a really rubbrsh Shoot Em Up Construction Kit game Himm. Alien Fight is a wet Galaxians clone white Amiga Boulderdesh calls up a Workbunch screen which because all I've got here is a CD32 lovpart. I can't access at all OK, sed being methodical, let's inst skip through end look for

samething vaguely promising Navetv's a curse These PD games have obviously been ported to CD32 without any repard for whether they'll work with a joypad or not Return to Earth, Spider, end even a German version of Risk all required a mouse, which I

Promising titles such as Batman and Ster Trek SEUCK efforts, as did

didn't have Oh dear



always hav-

ing taken the

A Sa diskiebe bet of Books Velicos art



A Pealing the land the houstains of 32-bit technology and CR-806 is Fragge, Ot name no, you cannot be parinte

much ell of these came is that they date back to 1988, so most of them trouble to find the best PD need a mouse, and most of them around, yon've probably stready are arther written in AMOS or the got these from cover disks aforementioned dreaded SEUCK It just seems as though some-There are numerous Q-Bert, one with a CD pressing facility has decreed to take 100 PD

Real Popeye crashed

immediately

Defender, Frogger, Galage, Gelawans and Space Invaders games et rendom - be they good or bed - and then put them on a clones, all of which would have been binned in my day disk regardless of whether they As fer as whether I found anyeven work or not. Even the mann thrng worth playing, wall there system is farrly unfrrendly, giving were six Deluve Galağa is excelyou no option but to page through lent (aithough the version supevery game name alphebetically. and at a sharf's pace plied here son't even the most recent available). Galaga 192 is

The fect that I must represent the average CD32 owner thaving nothing more than a basic machine and one joypad), end half of the gemes were unsvaliable to alone and Transplant is me thanks to the clever need for a one of the finest PD monse proves this is just one of the worst bits of CD software I've shoot 'em ups von'll find Of course the only ever seen III problem here is that,

Matt Broughton

A. Yes, write a CP32 and morne you can across own more inhalant. re along the fluor of BandiPac Pandat see while I cry

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Knightmare

My party is on the Quest for the Crown We have just got off tha

water Every time we try to cross it we drown. My grandson has tried but he has hed no success Please can you help?

Computer Grauny, Basingstoks,

I bet you don't mave as quickly as you did when you were young, and I het ynu enn't still get intn your weddang dress either. And why? Because you've put an weight! If only son cauld shed a few pounds, I bet you could run like fun. Drop everything that's not essential and you'll find things wan't be such a problem.

Operation Stealth

At the Senta Paragua Airport I can find the com in the newspaper dispenses and I can get into the toxiet but if I try to gat past tha passport, which I don't have and don't know where to find In tho manual it says that there is an NTY Forger in the buefcase for making passports, but it doesn't say how to open the case.

Dunial Shapiro, Southand,

Adventure Helpline

There is a broatiful girl in this game who will be relying an you and you can'l even open the briefcase! Boy are you going to have tranble with this same. Here is the walkthrough fae the first part. Go to newspaper machine, examine coin slot, take enin, use coin in slot, examine newspaper, no west, OPERATE BRIEF-CASE, exemine passport, take antes, operate calculator, use nazzport on slot, set machine for Germans, operate Enter Button, go east, use German passport un guard, spenk to gurl, ga west, use airline ticket on ruard, exnmine baggage, take bagpage (labelled Martinez), ga east (Into toilet), operate boggage, take all, use electric cable in plug socket, operate razar, gn west, go south (autside sirport), stand near the sign and

wait for text. Get in. Curse of Enchantia

How on earth do I get the magnet down from the ledge in the room with the big rock in it? I have attached the clank to the rock and I em cerrying a paperclip, a ball of

Isaballa, Fakenham

computar

Return to the room where you picked up the dodgy-looking computee. Look in the hole in the wall and you will find a reel of wire. Ga back to the cave with the plank and stand behind it. It's now that you should realize that the computer you are carrying is an Atari ST and is therefore completely worthless, on throw it. The heavy piece of rubbish will land on the other side of the plank and eata anit you on into the air.

strug, some seawend attached to

some twigs and what looks like a

Bard's Tala III I'm at the and of the 8th world

Tenebrosie, where I used to con front Sceadu and get a couple of tems off him. My problem is that mappad out the whole level. I

have been ju touch with everyone I can think of, but no one can

M. Elgie, Wimbledon.

Su why didn't you come and ask me earlier? I dan't bite vou know. Oh dear, what am I saying ... You must en to the Middle of Nowhers (en 4S. 3W from the city of Black Scar). Use the Shadnw Dooe and Shadnw Lock then enter the hole to the dome. Sceadu is to be found of level 2. You'll have to use a Rogue to sneak up and kill him. He's got the Helm of Justice and a magic clank.

Larry 3 I have gotten into the locker room

and found locker 69, but I can't opeu it. I have tried calling the Sierra helpline, but it simply says that I should open the locker, with to do that. The only clue to the combination is the names of three businesses written on the back of the Health Club, but I don't see how they cen help with the combination of the lock

S. Andarson, Mid-Glemorgan.

In this case the three companies you mentioned have also taken up advertising, Look in the free magazine which came with the game, and find the three page numbers which carry the adverts. I do hope you've got that magazine ne you're going in get very cross at this point!

Beneath a Steel Sky. I have broken ento the subway

beneeth the night-club, but I keep gatting eatan by a monstar! What I'm I supposed to do noxt? Haln

Thomas Paahby, London

What do I do with the dummies in the cethedral? How do I get past

the thumboout scauper in the

Graham Kldd, Avrahira.

Just like me, the manstee in the dark subway has an aversion to the light. Examine closely to the left of the entrance hole and you' il find n sneket. Use the light bulb in the hole and the monster will 'leggit'. The thumburint seamnee can be fooled by getting a thumberint from Colston. He will then get up and lease his glass once the band stops playing. You can take the glass to Bucke's Bin Su rgery to get your problem fixed. Inside the cathedral you should walk through the back door to the left and examine the muldle locker, It's here that you'll discover Anito's dead

Hook

I am sending this letter on hehelf of my forty-three year old dad. Ha can't gat onto the pusts ship

Clare Shiffitto, Clevedon,

Only a pirate enn gel on board. So go to Dr Chops, and after having two teeth nut you can pick no a roller blind at the back of the wall. Gn tn the Bast and Tackle. Go upstairs and use the anchor with the rope to get a hat from a pr rate below. Give three mugs of heee to n man in the Indiest Ragers and then take his pants off. Gn behind Pirate Square and use the roller blind Sorted, ns they say.

If you've got a little problem that are too embarrassed to ask a end about, pop if in a plain envefope and send it to our Mastress of the Night and she'll take a close look



an audio



Hallo agsin, end welcoms to this month's sslection of snips and tips, courtesy of, well ... you lot really. Don't forget, though, it's all worth while, bscauae any tips printed earn their outhor e free Hit Squed

game. Hurreh! MEAN ARENAS

ice It s an oldie, I know, but a goodie dandy little cheat - Just type in CHEAT on the option screen (claver)) and you access a bonus arena which has tons of groovy things to collact and no enemies If you follow the course of the arane you'll come to a rocket ship which, when collected, ectivates the cheet mode allowing you to press the following buttons for the following effects 'Help' takes you to the next level, 'Dalete' gives you a shield, "L gives you weapons. 'B gryas you extra bombs and 'E' gives axtra anargy.



ry doe I have the lend of dudgy correct cheeting or real feetbalt. ()

ULTIMATE SOCCER MANAGER

Daze Thanks to Paul Scott for a handy

sat of cheats for this little fella' if you tall the cama that your name press the following buttoriettes for these cheets: 1 to win the match 1-0 2 to win the metch 2-0 3 to win the match 3-0

Escape to and the half with the score as it stands G to score a goal at any point during the match M to collect an extre £100,000 Very nica too, Paul Hare, have a free Hit Squad game!

OVERKILL

Mindscape A free bit of software is on its way to Master Alisteir Wells, and it's all bacausa of this simple little. cheat for this excellent A1200 blast 'am up Just enter NZI as your initials on the high score table, and you'll racaive infinite lives And, er, that's it'l

THE ADVENTURES OF ROBIN HOOD

A little known game this (and, in fact, so little known that I can't remamber who produced it Dohl) but it's an interesting and warrd offenng none the less Edward Corr

> ing play, and type 371 to outlew marry man. 441 to cycle through seasons 654 to entire the

\$28 to legalisa

nonsda Robin Hood (whoonst) 103 to make Robin Err on Robin's hasd 214 to move near the spring near the wizard 370 to outlaw step

372 to outlaw Robin Hoad. 213 to move to the island near Little John.



A. Last! Confuted? Sadder their Water on a Samley? Their chart year backs off. It works for an ALFRED

CHICKEN CANNON Mindscape FODDER CD32 Thanks to Mr Simon Kinder for Virgin

this little led Just type HELP-Dan Cunningham adds himself to MARK on the title scraan and the list of Hit Squad winners, with than prass 1 to 9 to select the a couple of very tasty cheets. First level you want Fodder, where by clicking on the X-IT LOAD icon and then pressing and

Psygnosis

I remember it as Zonked Whatever, you can't dispute it was an excellant puzzle game Wall. let's have some level codes enyway thanks to Steve Johns Level 3 555925

Level	4			56758
Leval	5			27861
Lovel	6.			51737
Leval	7			87753
Level	8 .			82950
Level	В.,			28768
Level	10			22162
Level	11.			72844
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Level	13			55817
Level	14			17008
Level	15			68883
Leval	16			45041
Level	17			89847
Laval	18			09590
Level	19			58961

marry men to join

five seconds (and than releasand) e screen will appear offering you a 'Hardman' option and level salact And next up la SYNDICATE

up is the excellent Cannon

holding both mouse buttons for

Bullfrog Yip, a very clever cheat that allows you to build up tons of doss without doing any hard work, Just put taxes up to 100 percent and then complete the easy first level, but fail the second mission on purpose You'll now find that, because of the high tex. the fist mission's population have rebelled and you'll have to completa it again Of course, you can knap repeating this, and for every couple of minutes it takes to complate the easy first level, you'll be raking in the texas. Then, when you've got tons of dash to put into research, you can plough through the missions armed with much better weapons than normally everlable. This lets you tool your cyborgs up early on and plough through the remaining 49



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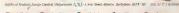
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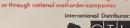


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Wiere Science Animus

Horgan's Organ This must be your lucky day! You'll herdly believe

tha lina up of herd-hitting reviews we've got for you this month. First off the blocks is Cinema 4D, a ton flight 3D rendering

package that runs on as little as 2IVIb of RAM, is more user-friendly than a knife and fork and extremely tasty to boot. With great expectations we swooped a new Falcon 040 accelerator/RAM board into an A1200. Did we like it? Turn to page 81 to find out.

Andy Leaning just won't go eway, which is lust as well. because Final Writer 4 arrived in this month and he reviewed it for us. I can reveal here and now that he thinks it's brilliant! Find out more on page 82.

Whale is a subject close to my heart and if it's close to yours too then check out the review of the Technosound Turbo 2 Pro samplar and PD scene where the best new demos are always reviewed.

On the subject of new, what about this Amiga Magic A1200 pack from Amiga Technologies? Relatively expensive it may be but the productivity software in the box is absolutely superb. Wa've just been the first magazina to see the new versions of Wordworth. Photogenics and Parsonal Paint in it and there'll be a full update on them next month.

If you're wondering where the CD-ROM round-up has gone check out the CD-ROM feature at the front of this magazine. Tha most comprehensive guida to CDs new and old is there.

Get Serious

Herd boiled hardwere fanatics and amateurs in search of more power for their Amiga have come to the right place. It's time to Get Serious ...

- Cinema 4D...... 70 We bring you the first review of a revolutionary 3D rendering package that's so efficient that it works fine on a 2Mb OS2 Amigal
- ShapeShifter 3.2...... 77 Emulate an Apple Mac at full speed on your Amiga for \$40? It's true! ShapeShifter is the most atunning place of sharawars ever seen.
- Falcon 040 81 Power Computing introduce the first A1200 accelerator to feature the 69040 At last your A1200 can match and even beat the mighty A4000/040)
- Final Writer 4..... 82 Word processing takes another lasp into the future as Final Writer 4 gets its
- long-awaited UK release Technosound Turbo 2 Pro 85
- Faaturing 12-bit recording and some tasty new filter routines, the well-established samplar ra-appears in yet another updated form. ● Image Studio 89
- While the likes of Image FX and AdPro dominate the image processing market, a new challenger appears with a few tricks of its own.
- PD Scene.....90 It's that time again. Time to strap yourself into a chair and be subjected to an onslaught of twirfy demoa and bizarra games, all for the price of a disk.
- PD Utilities 95 The essential free data source for your Amiga is the public domain



Tony Horgan

Cinema 4D

■ Price: £199.99 ■ Developer: Maxon GmbH ■ Supplier: HiSoft Systems ② 01525 718181



A new and easy to use 3D rendering peckage

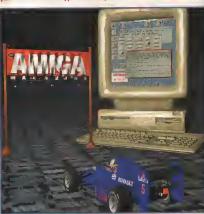
arrives on the Amiga. But how much power does it cost to be intuitive?



Only now do other platforms have ported versions of the mighty Light-Wave and Read 3D, both of which were born on the Amige However, one problem which has always held this software back from tha mass market is its difficulty of use an system requirements.

Mograms the upprovious and Model 3D receiver staggaring amounts of RAM and processor resources and worsa still, they tend to be almost too powerful. The addition of major features that profassional 3D artists heva demanded has taken them beyond the level of difficulty and detail that most Armija ameteurit would like.

Hisolt's Cinema 4D, developed by a German company Maxon Softwara attempts to redress the batence by providing a package that's easy to use and inturtiva



HD Install

Installing Cinema 4D eats up just under 8MB of hard drive space, which is forly modest for a modern randering package. We still discovered German text in our review copy, but the lerge manual was fully translated (if e little strengely in places) and HSoft assured me that the release.

version of the software will have been fully converted to English Since the package is alleged to be easy to use I gave it the ultrmate test, the manual ley untouched white I dived to

head-first, expecting nothing but graf I was pleasantly surprised though, it drdn t take long before I got to grips with the program When you load Charme 4D the

default screen appears which consists of e.3D 'perspective window flanked on the left hand side with a lerge clear button benk (or loon bar whichever you prefair), which contains the basic tools you need to operate the tools you need to operate the program. When you move the mouse the ground rotates around each exis in line with whatever direction you move it it. There are X,Y and Z buttons on the button bank to tock and unlock these exists a similar way to threeping.

The editing wave is controlled by six buttons "XY", ZY, "ZX", "3D, 4T" and "P". The first three are simple, two dimansional views for precision "3D" is a working 3D view which enables you to move

around the scene without



A Renders the also be need to the Cinema 68 strong which and display the parters on a minday

disturbing the cemera setting. The 4T' mode activates the standard Imagine-styla viewpoint with thier separate 2D views and one perspective view. The last mode. P. is the camere view. All of thesa icons are nestly described in ehelp' tool-bar which displays a single line telling you what each button does Bulliant

Movement around the window is accomplished more easily than any other packaga I have seen. A piculai gadget rotates around the chosen axis, an arrow gadget moves you along the selected exisand a small arrow pointing to a large arrow gadget is the scale function Simple and effective Loading or creating objects is also vary simple, and the same axis and movement controls function identically for objects

ping around a scene pasting primitives and making bizaire boolean operations, which allo

objects to cut or add shapes to

Dual purpose

have a little black dot are dual purpose salections. If it's an icon. The night mouse button will burn up the preferences/settings, if it's a menu selection or a hot key shift does the same

Bacausa you can use the

for the screen to re-draw all the time, it is vary assy to parform tost warps by altering preferences, performing the

warp and then hitting undo Unlika many othai randering packages C4D's display never is a small but bulliant feature that considerably enhances productivity for ell operations raquining many attempts at that perfect setting

C40 doesn't attampt to animata the full wire frame of manipulating It only draws this when they are static Like Imagine and Real 3D, you can also opt to togale complex objects to permanantiv stay as bounding boxes in the editor to save lengthy redraws Another excellent feature is that you can select any number of objects and radraw them. method you can get a rough idea of where things lie even in a very

domplex scene, without waiting Objects, options and text ...

for a full redisw

special objects that C4D has built in for sees of use and simplicity Eg the 'Figure' option draws a basic humanoid which is handy to form the basis for a more complax modal in a real render

The last option Text' creates unlika Imagina. CdD can't extrude packaga Diamond and Halvetica directories full of letters saved as fonts it's actually possible to get



o mova

Turbo Silver, Videoscape Sculpt Pagerander and Autocad DXF for mats though alas not LightWave

Cool castillian

In operation, Castillian impressed converts straight point deta to duplicate objects across pletforms, it also handles materials, textures and object himerchies ha which objects sie childran of what) The in itself makes it more powerful than many commercial stand-alone object converters. But the jestly coal thing about Castillian is that it has the ability to betch convert. entre diawers Halaluje!

Because this has been included with C49 all you need is one or two CDs Iuli of objects and

Images from vanous formets end you have an implessive library Other rendering packages will generally put you out of pocket by demanding a separate conversion package such as Pore! Pro

Rendering

When it comes to randening, again C4D is down to earth. Thare's a simple render icon which, when selected onens up the range of render modes All the usual suspects are present: BMW Skeleton, Skeleton, BBW Surface, Surface. Scanline and of course RayTrace A right mouse button click on any of thesa brings up then preferences. The output settings allow selection of a screen mode as well as aspect ratio and resolution.



A. Here the deferm tent in about to be applied to the large text object. Nov. before doing this, I'll report the pearties on Creams 40 can assume to the Manerican from sermal to deformed



A Hern the rendering patrings are being medified in: Reptract mode. The verput gas he spenied in a 24-bri Six, brincepool Aurya like and rendered directly to the narrow off in one ye.



up to HAMM8 is supported and when using ScanLine and Raytrace 24-bit output is also possible One senously groovy feature is that you can render the frame to the selected screen, save that screen and output a 24-bit picture at the same time. No more doesn't wait for a line to finish, which is handy since in RayTrece moda a line could be sevaral ninutes to draw One niggle. though, is that if the rander is pienaturely cancelled there is no partial output fila C4D simply deletes it. It would have been nice for it to tidy up the file so that it tedw spusp of beweek ad blugs part of a picture will look like There is quite a few subsettings for the RayTraca putput Shadows, Transparency Raflections, Smooth, Textures, Bump, Fog. Multitasking can all be turned off to increase rander speed if necessary Also, C4D can blank the scraen which should help speed up the process for people using thip memory In all

In terms of resolution, everything

seeing exectly how objects will entire scene, which would take e lot langer How long? When it comes down to it.

the rander modes it's actually

passible to render just the activa

provides a reletivaly quick way of

rendenna times ere a meror fector for any 3D artist. My impression is that it's significantly faster than Imagine and Real 3D but stops did most of the tasting on is a humble 25MHz 68030 with a 50Mbz 66882 It ran fine on our A4000/40 but crashed regularly on a 1200 equipped with a Falcon 68040 accalarator C4D also

worked vary well, with my graphics board, running under CybergrephX et lightening speed

The other major consideration for any rendenng package is memory consumption. This is enother area where C4D tnumphs it is the most efficient rendering package I have used The fact that the C4D program itself is a third of the size of Real 30 helps. The most impressive espect however is that the scar line rendarer and raytracer ara the antiia scena is created, it's possible to exit C4D complately at the seved scene and away it goes rendening using settings you made in the editor earlier

This kind of approach saves oodles of memory. You can carry on using your Amiga with the small rander window showing Itsprogress and time elapsed

Cinama 4D is now definitely my favourite 3D rendering package on the Amiga it's absolutely ideal for hobbysts, though its relative simplicity and minor limitations may not always suit the professional usas



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Mac Emulationand Shape Shifter

■ Price: About £30.00 ■ Developer: Christian Bauer ■ Supplier: PD/Christian Bauer



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00 62

A Macintosh for under £30? We find out if it's too good to be true by installing ShapeShifter on our Amigas.

acintoshil. The world femous ruser friendly femous ruser friendly femous ruser friendly. Apple Computar made by Selcon Valley based Apple Computer Corporation has both delighted and driven to teas users ettempting to get to grups with its emigratic system.

Engineralic because it's the only computer in the world that professes to be iden proof by design in feet it keeps so much of its sinner workings from you that it's officers to make it do anything unless thank's to big but too not the sworder of the box. It's member the second of the computing enthilless, but because of its acceptance of the box of the second of the world where these trains are videable in his had some of the world's best softwee waters for it.

software written for it.

A lot of this software has become the industry stendard for Software that its sodily lacking on the Amigs since the comportions that have developed it prefer to count sales in millions rathar than thousands, or at least attach four foure prices.

Motorola

It's not all bed though The Mestingshis is the only other menistries in computing platform to use the Motorole 88000 CPU. Their meens that on the Amige the chip instructions of a Meantoship logger do not need be emulated in the same way as a PC amulation would have to when emulating

the "fown" Intel Box86 series CPUs This concept text in new Amex and Emplaint ere two examples of Mechindshie mulation solutions that set the poce. Both of these lety in head when when the solutions that set the poce Both from ROMs which must be parchased from Apple to keep on an even ligal text individual and series are series and series and series and series and series and series

Supercheap! Causing a bit of a stir in the

Amige community, a German based programmer, Christian Bauer, released a demo version of ShapeShifter onto the public domain some time app ShapeShifter is a software only Macintoshiv emulator end one that's arquebly even better than the hardware solutions, Some key features are disabled in the 'evaluation version of ShopeShifter which can be got from various PD librenes and the Aminet These can be unlocked with the eddition of a special 'key direct from Mr Bauer for the ndiculously low sum of US\$40. And what sort of real Macwido you think you diget for thet sort of money? Try McDonalds.

Whilst ShapeShifter doesn't heve to emulate the CPU, it does have to intercept accesses to the Macintoehiu's herdware, then trenslete and redect them to that



A far notly current of our of the power paper in that issue appears on Grark Copuses and Shapetholism on the suspanses a Addit Mech to the engine of our Dec docupture.

Armga's herdware. Put simply, this means that Macintosihis programs sending and receiving detail from the senal port will work neely with the Armga's sanal port. And likewise through the patiallel port. However, there are some difficulties ferein real. Marintosihis.

However there are some difficulties feeing real Microtroshiemulation, not least of which is emulating a mechanic that's essentially inferior to the Amiga (I say this with fear in my soul -Helen, our art editor has threatened to hunt me down for

biaspharmy! One being that stendard double density (DD) Mecintoshad floopy drives utilise a much o'der recording format the Arruga units. So old that it's not possible to read or write stendard Mec 690K disks without the extre expense of a Macmitosh driva and the Cross-Mac package.

Fortunately Appla saw the error of their ways and moved to the modern systam for their high daneity (HD) drives. It's possible to format DD disks (which work



Hielcome te Merinfesh

A The host edges of fits on Stame-Living. It worked well arough axing the Amon a boilt or pushion, but only is black and others. For paper unless with speed, a graphical hand in needed



A. But all ancarraty Crans than comes with militims to access the Macrylook. He system a (1975) data and

out at about 720K) in ShapeShifter which the Macmtosh can read This won't help for the sengus business of installing the Megintosh system software density days, and that s most of us I'm afraid, vouris out of luck purchase a HD drive just for resprt to more drastic means which include using the DiskDup + software on the Macintoship to turn the system

Fortunetely the AmigaGuide documentation that comes with ShapeShifter clears up many of these pitfells but it's worth nating that it's not a simple task

Funky chunky The next major difficulty is graphics Like the PC, the Macintosh∞ usas a 'chunky pixel display That means that all the information for one dat on the screen is contained in one single byte. On the Amion this is held in severel bytes. The down side of this is that when emulating a colour Macintoshw, ShapeShifter must convert the grephics standard onto the Amiga's nativa display which makes it too slow to use in real terms. However, in black and white mode the Amige's display is chunky end so it runs et

For those Arniga users that are Macintoshiw, some kind of



Meet. Another reason for exceleting. Top shouldn't

phics board is pretty much ne a bra-box Amign Suddenly eShifter emulates a coloui Macintosh II with no performance drop In fact we ran ShapeShifter on the office 4000/40 with a GVP EGS Spectrum graphics card and the result was astounding It ian of the real Macintoshie equipment in the office! Everything we PhotoShop, NetScape and even the mighty Quark Express The latter draw some attention around the office since Quark is used to Newspaper and Magazine in this reguler Mecwusers ware ShapeShifter icon on the Workbench, hit 'start' and suddenly the Amigs turned into e Macintashiw But the key to their amazement was the fect that

emuleting the Macry it's also multitasking in the background (unlike the Mec) with ShapeShifter baing, in effect, just enother screen

while the Amige is happily

Hard drives and hard files

organising some stolege space plished in one of three different ways The simplest is to create somathing known as a 'FilaDisk' ectually just one large file stored anywhare on your hard drive This is handy because it means that you don't need to repartition your hard drive. The next method is to drive specifically for ShapeShifter to treat as its own. We used this

The Amige comes with CrossDOS but what about CrossMAC? Let's find out if it's as assential:

Commodore licensed CrossDOS from Consultron to include in ell Amigas which shipped with OS 2.1 and higher. A walcome move Indeed, but given that the Amige her more in co the Macintesh - then the PC, it's sumly worth investigating the option if the need arises to read and write Mediatosh or 'HFS' formetted dishs

However there is a major catch However there is a major catch.
Ilke doable density PC or MS-DOS
matted dishs, the Amiga's floppy
we jest can't read, even with a apo-l hendler, DD Macintosh- disks. The son being that Apple esed a differormet for recording them which imestally incompatible (they ge rotation speed depending on the track being accessed).

Luckily, Mec., high density drives do ese the some formet. So If you have a see the some formet. So II you have a high density lipopy drive and Cross MacInton HTS termstrad disks. The question is whether you need to. You can med and write MS-DOS formatted disks on both doeslie and high density drives which the Mec- can also med. The espablity of this concess free with the reschines or if sample file and the second of the contract of money the contract of money the contract of money the contract of money there is no seed for Cross Macappears there's no need for Cross Ma at all. Likewise ShapeShifter comes

with a Mac -handler that allowe the acintosh - volumes, *ShapeShifter can* en format 720K 'Quesi-Mac' disks at will function fins in a real Mac...

So the usefalness of *Cross Mec* would esem to be severely limited. What *Cross Mec* is good for though is accessing Mecintosh hard drives

without the need for running full without the need for running run Macintosh emulation. Possible uses could include eccessing files on removable media such as a Zip or Sygeest formatted on a Maco... If this is that you need to do and running thapeShifter is not on option, Cross Shape Shifter is the all option, cross Mac is the only way to do it and as such is essential. Cross Mac also com with tools for solveging files off corrupt Macintosh. disks and a mode selector commodity that allows Cross Mac ta be toggled between showing Macintosh. resource or data forks or both. This is eseful since Mediatosh Doth. This is esert since Medition files on actually made up of two ports. One being the actual data and the other saying what kind of file the data is. For most of us though, Cross Afac isn't necessary, even if you do need to shere data with a Meditary. data with a Macintosh . Especially since its actually mere expensise the emulating a real Mecintosh .!



A filter revises Supplikites you can also the veriese pursups where to take it be your markins or needs it is very familie, but in you survive remong as a person color like then you'll send a graphica board.

method and it became epperent that it ran no slower than any of the real Macs v

Alternative VI is possible to amulate an entire ISSI hard dive by simply telling Shape/Shifter the stame of your SSI driver (not sustable with IDE interfaces) end the unst of the diver Uses of Hopercal and Shape/Shifter set ious stock the unst of the diverse ious stock hopercal and stock of the stock hopercal and stock of the stock hopercal stock and the for such purposes CD-ROM emilation is also critical out ministra in sales certified to CD-300 can also be emilated so no a possible CD-ROM directs are recessing on the Mac add

How useful? Ultimately, ShapeShifter's useful-

and

ferent

ive Thus

ness depends on what you want to do with you in new virtual Mac and what herdwere you heve it's really only autibal at you already heve some kind of Mecintosh since you'll have to run some progress that come with Images. This is quite flowly and it's worth noting that doing this

on any mechine other than your own is illegel as is running both ShapeShifter end the ROM donor simultanaously. Presuring the is the cess then you'd need to either use PC formattaid dieks all the

time or purchese a high dansity floppy drive However, you may ectually find that you don't need to share deta with another Macriticahe. With the thing the state of the share detay with another Macriticahe with another fl

the like is quite possible in the final analysis, yes it is great, but unless what you went to achieve can be done in techno black and white then then a big box Amgs with e graphics board is easential. If have the

kit though and you need to run an Arniga end a Macov ShapeShifter is ideat Now if only you could run all

this software with a proper operating systam like AmyeOS I'd be very hoppy indeed! Anyway I'm off to play Dark Forces
Mat Bettinson



4. The jug nevertage of comming a Gon — on your Assign in its which you melitiash. While ShopeShifter in forming you could, using a key terminant materity swetch back to your Assign and Capons 40

Where to get ShapeShifter

ShapeShifter is sharewere. The eo-called 'Evaluation'
varion resides in the Public Domain and so and be
purchased from a PD Softwere house.

Try: 17 lets Software, 1st Floor Offices, 2/8 Market Street, Wehoffield, What Yorkshire WF1 1DH, 01924-366982, The disk to sak for is ShapaShifter 3.20 its code is 3903 and it costs £1,00 plus 60p postage entl packing.

These with Internet access cen FTP it from any Aminet mirror in the mise/smu directory.

Finally to unlock the added features of ShapeShifter such as CD-ROM, SCSI and device-dish (Mec HD partitions) capability. ShapeShifter will have to be registered with the author, Christian Baser. Methods of payment are:

- 50 German Dautch Merks or US\$40 in cesh or .
- A Esrochages over 50 German Dautch Marks or ...
 A Fersign chaque for over 60 German Dautch Marks or \$50 US as ...
- A Postel Money Drder ever 50 Germen Deatch Merks.
- The elidrees to send it to is: Christian Beeer, Langeneustr. 55, 96070 Koblenz, Germany.

 Note: There's a ShapeShiffer ESC on this months rever.
- Note: There's a ShapeShifter FAQ on this months cover CD. The full path is Aminet/sloce/help/sefaq09.lbs.



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The Chesp Seats





Falcon 040

■ Price: see box out ■ Developer: MacroSystems ■ Supplier: Power Computing © 61234 843388

Another record is broken, as the wind-assisted Falcon 040 accelerates the A1200 past its personal best.

68040 processor on en A1200 eccelerator cardithey said in couldn't be done – or did they say it shouldn't be done – or did they say many didn't expect to sas at happen but it has with the release of this Felcon 400 trendor card

The reason they said it couldn't be done was because the 98040 processor gets very hat unless there's some lend of cooling system movised it's common practice to mount small ferso in tip of processor class, which is fire if liber's noom reaches the computer, but the A1200 sint exactly the most spinous methics under the borneat However, with the Falcon OAC, Power Computing have earlier under the single 80040 chips and a fair may be a 2004.

Fitting the board is rether more hotely than with other inepidors expensions. Unfortunately new Amige owners will invalidate their warranty by installing it, as the top of the Amigés case needs to be removed. This won't be a problem for most users, since their werrantes will have expread by may Onge the board has been

AIBB Bender beachball test

Falcon

81238-58

plugged into the A1200 expension slot, the next step is to attach the fan wals self-tepping screw that needs to be bored up through the underside of the A1200 case. The fan six hell on the processor chip, overhanging to one side but it seaffes to give sofficient variables.

Once the board is in place, the trapdoor will not fit without cutting out a couple of holes to accommode to the SCSI connector and the RAM SIMM To save you hacking your trapdoor yourself, Power Computing are supplying modified trapdoors with the Felcon.

SCSI option Sensibly the Falcon comes with a

SCSI optron. Upgrading the basic bload to SCSI coats a mare £78.95, for which you get a cable hot, plug sink the board, and leads through to supply a SCSI port hom the space panel on the back of the A1200 (mark to the upgratic points). How come titls is so cheap? Well the Falcon comes with a SCSI controller chep sur fece mounted as standard It's this chip that does the hard work.

This is surprising as it must mentably push up the price of the non-SCSI board option. Maybe it would have been better to exclude the controller chip on the non-SCSI confliguration.

As you can see from the price penal hara, the Falcon is available in a number of processor configurations. Heet problems may occu with the faster Q40 chips such as the 50MHz version, although we had no such problems with the raview model A 68060 version is due shartly, but at the moment 060 chips ere rathai herd to get hold of Once they're more widely avadable Power Computing are offenng an upgrede service, m which you trade-in your 940 for a new 060. The 69060 is actually better suited to a board such as this as it iuns much cooler, and of course much faster

How fast?

Subject via closes as the invention as Subject via course and invention as Subject via course and subject via course course out again with a SEMHz ACCOQACA, which is logical enough, but in critisas tests it best the ACCOQACA by a fer chalk thexis generally to that ACCOGACA and the ACCOGACA by a fer chalk which is spended to the ACCOGACA and the ACCOGACA which is spended of few Armost systems when put through various speed tests using the AIBB unity. From tips to bottom, the setups are a SEMHz QBG Falcon a 25MHz QBG Falcon

ty From top to bottom, the setups era a SEMHz 404 Palcon a 25MHz 403 Bizzard 1230-11 a stock 2Mb A1200, a 25MHz 933 A2000, and finally a 25MHz A4000/40 The Felcon excels in most tests confirming that it is indeed the fastest A1200 accelerator currently available. It is nood to see the 8Mb

It's good to see the own SIMM working in heimony with the PCMCIA slot, which is essential for anyone wito reality wants to power up their A1200. While the Falcon is far from the neatest accelerates solution, it works, and it works fast. It's not cheap, (you'll safely have to pay out for some RAM) but for en eatra £29.95.



you've got yourself a very fest SCSI interface, and the option to upgrade to a 68060 without replacing the board Tony Horgen

Prices and Configuration

number of configurations. At the time of going to press the 69060 options were not svallable, but should appair as soon as the shortage of 68060 chips is resolved. These prices are for Felcon boards with

FALCON D40				
X501	System requirements Any 82200			
1500 i				
A300	Officery in the Safety has these over no contemporating problems.			
41250	fatrantly fatt with a docum SCSI campailm on board			
4200	Rather princy but the latest technology of arous cheep			
12000				
	OVERALL			

Communication of the Communica

nal Writer 4

A E

■ Price: £74.95 ■ Developer: SoftWood■ Supplier: Softwood Products® D1773 521606



The king is dead, long live the King, The Amiga word processing crown passas

onto SoftWood's version 4 and Andy Laaning comparas the bloodlina.

inal Water 3 from SoftWood Publishing has long owned the crown of best word processor for the Arriga It's nch feature set, elegant user interface and rapid performence has made it a firm favouite for many thou sands of users eround the world mortal user could went, from entering and amending letters through writing complex reports brothures requiring DTP style capabilities such as picture importing and positioning

But now SoftWood has killed off the King, and released version 4 Is it as good? The question has to be. What could they possibly edd to make it better and has it lost env of its simplicity in the attempt to edd new features?

Take a look at the screen shots on this page and you if see something new Click Tabs. It s user interface has been overhauled completely to make it easier to get to the various features of the program and to move around the most obvious sign of this change Popular in PC applications they're a computerised version of traditional ring-binder folder tebs. where a folder containing many

different pages is divided into sections, detting to the information in e particular section is just e metter of selecting the releted tab end turning that sheet over in Final Whiter the folders are requesters and the tab pages being sheets in the requester that contain related commands or Information Now instead of lumping from requester to requester a single requester is used, with the different sections accessed waithe tabs But SoftWood's use at Click

Tahs goes well beyond the normal usage in PC and Mac word pippessors. For the first time in eny word processor that I've come across. Click Tabs are also used on the document Window to provide rapid access to different peges, Just click on a pages instantly taken there - brillient! The only downer is that as a document size grows and more pages are added the new tabs ere up the screen space used to show the document it could have been useful to have the page tabs displayed as one long line that could be eccessed via some automatic sideways scroll option

Other changes made as part of Final Whiter 4's interface overhaul

Fig. Notice | Foreign | Fig. | File | Files | Infermioral and antique front and an in-

AMIGA COME BACK! CU AMIGA MAGAZINE EXCLUSIVE

Hol news from Frankfurt, all the latest news on Escorn and their plans for the Amiga. The new Amiga specifications in full, their marketing plans, what the tukers has halds for the Amiga.

For billin A A | Fage 1 9 9 Yerryal Hers the use of clieb-take to accommendation pages in a decomput can be upon. Notice been the

include a thinning out its menus. There ere now fewer nested menus and en inforat the bottom of each document window showing the current position, page number and time and date Clicking on these will either bring up e requester (the View Preferences

Goto Page for Page Number) or document (the current date or time) You can elso jump quickly up and down one page at time or to the top or bottom of a document via further buttons on this bar

Tool bars



From here the exer tool tary can be erected. Dron the score from the list on the left to the but in the middle, it need in teld you what the icory represented believe they were dropped ber

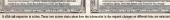
bars. At the top of the Window is e button that toggles the top Window buttons between a Font/Style selection for paragraph end font type selection and a Program command stop to pages hyphenation atc Along with these tool bars is a 'user but ton strip" that can be positioned on any of the four sides of the

The finel big change is the tool screen or have floating around

The price is right

The RRP of Final Writer 4 is £74.95, which given the power and features of the program, is great value for money. Registered Final Writer users will be notified shortly of en upgrade offer allow ing them to upgrade for a paltry £24.95 (plus £2 for postage), repistered users of other SoftWood products can also get it for a reduced fee, although at the time of writing no details were eveilable. UK distribution is by Gordon Herwood Ltd.





Thanks for the memory

PCs need ridiculous amounts of herdwers and RAM to do avan the most simple things. Went to play space invaders? Yeu'll need a Pentium with IMb RAM. If you just want to adit a text file in Windows you'll need 4Mb RAM minimum. Thankfully the Amige hasn't become this greedy yet end probably never will. But if you want pewerful software you have to accept that, even on the Amiga, you're going to need more than the standard hardware configuration. For Final Writer you'll need a bare minimum of 2.5Mb of RAM (I'd recommand 4Mb or 6Mb as a comfortable minimum) which compares well against Werd for PC, That would need at least SMb) It's also worth noting that with the release of Windows 95, the increased demand for memory is going to send RAM prices soaring, se if you're planning to upgrade do it soon.



The seasoner charles in action founds

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away from an edge. Elght button strips cen be created each containing a chosun collection of commands and better yet, that button strips are autometically window size, so button strips do nor disappear off the adge of the screen anymore)

As you've probably guessed by now I'm very impressed with the new features of Final Winter's user



& Cyau don't like the rules the grammer spec to back year work, skange those

have borrowed that best bits from many other word processois, frequently build one of the nicest front ands of any word processor But a good user interfaca is no good Unlass the progrem has features worth using, and here too Final Writer's latest version

interface SoftWood

has been greetly improved. Thera's only one reel major new feature, but what a feature it is Along with the spelling chacker and theseurus Final Writer now has a grammar checker Cool huh? Anvona who has used SoftWood's Preper Grammer II will feal at home with it, but now

its an integral part of the word processor. Either select a block of text or let it work on the entire document and the Gremmer option will identify grammetical mistakes and outline the offending word or sentance and in many cases, halps you to understand end corract the mistake Having used many grammar

checkers I was fairly scentical of thrs facility it s all too often a case that to understand the "halp



Bare circl-toke or octoor Even the About her has get them



A. Alle at some from Belgion is till pomitet Stateslick - om what the Final Wester judging penel thinks at year writing with a soutability acars

full massages that the grammer checker producers you first need e degree in English, and if you ve got a dagree you'll most probably not need a grammai checker any way Another failing is that the rules that grammar checker uses are normally so rigid and formal that they can't handle the modern everydey English that most people now write Thankfully Final Whiter's grammas checkes suffers from neither problem too badly The messegas it produces are pretty much self explanatory and easy to undarstand it s also simple to change and edit the rules. and instructions used to identify grammatical mistakes, thus cater ing for your own paisonal style.

With the grammar check Final Whiter now also has a much improvad statistics report. Along a readability scora using the fairly standard Flesch reading scale and s figure giving the educational standard neaded to ba able to understand the document most tabloid newspapers try to aim for a reading age of between 11-13 Because of SoftWood's American background the aducational stan derd barng used for this purposa is based upon US grading

Final Writer release 4 SoftWood have given the Amiga a word processor that you can show to your PC and Mac owning friends with pade in conclusion it is guite simply the best word processor for the Arnega, in every respact - Gat it now!

Final count down

Final Whiter 4 is a landmark piece of softwara for the Amiga No other application I've seen offers such a complete range of features for its intended use. Perhaps that SoftLogic's PageStream 3 01 for DTP users Everything you could want in a word processor and a little bit more is within Final Writer Ironically if you're looking for simple DTP capabilities Final Writer is now probably a better bet then PageStream

It's often the case that when softwara houses are updating their progrems and adding new features they lose track of original elaments that made thair application stand out. In the case of Final Writer these were a simple and elegant user interface and good performence When I read SoftWood's brochure which proudly describes how menus. requesters and document windows had been redesigned I faared the worse But surprisingly. this update really adds to the original. The naw front and is fail. far, better with its click tabs. status/command Ime and customisable floating tool pallats Final Writer is without doubt the frist word processor I've used in a long time and ona with which I falt at home with immediately -

it's so wonderfully inturtive Tha final conclusion? With







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a. The 12-bit Sections and entrolog draws server from the disk drive

and also features on layer veltura control. passibly the Armga's most well known sam pler It's been around to years, with a series of updates sive title of Technosound Turbo 2 Pro. This latest incamation is avertable in the standard 8-bit configu-

add-on for an extre £49,95 For the benefit of anyone new combination of hardware and soft-The herdware part is a cartridge White the 12-bit edd-on has a cable that plugs into the serial

ratron, with the option of a 12-bit.



A The two boxes below the Calif Fittered Exect!' neerple name are p-ups of the sample used his more occurrie looping and rolling

cartridge. How about Tachnosound Turbo 2 Pro? port from which it draws its power supfurther devices can be

plugged, so once con-

something else The 12-bit cartridge also has an input to stereo phono lead is also and sequencing is controlled from

Getting started Before we jump into the details of

script assumes you want the whole Technosound disk copred over to your boot partition. So the best way to mstall the program is to menually copy the files to your chosen hard dove destination Blaht then on with the show Technosound uses the

familiar sampler waveform filling the top hell of the screen. taken up with a bank boxes Sampling your first sound is easy sample is set the volume to an optimum level There's #



A Mealtaring the incaming raced is necessital for accretic recording at the optomus walesse lived, adding it a a abuse the software doesn't office mountainment must and visual actualization.

spectrum analyser which looks pretty, but is actually useless on the graph to tell you when a meximum signel level has been reached You can listen to the meters, but you can't do both at once, which makes duing up your sound source more awkward than

If you want to grab your own samples with our AudioMaster IV cover disk you'll need a sampler

> The sample rate has to be set usma a fiddly sirder, as there a no way of entering the rate directly

got your sample in memory adit ing it is fairly straightforward. The ple to be cut and pasted, and the friled-weve style of displaying the sample is nice and clear Zopming In on specific ereas is vital for precise editing, but the highest zoom factor available in the mam window is one pixel per byte. lunitive OctsMED's sample editor for example, which allows finer meonrhication). This little problem

from the keyboard. Once you've

Editing Effects

deleval empirication with automatic clipping detection ine pitc. no iii

phase; echp, delay, stered sweep, synthesis, pitch up and pitch down



A The realtims effects section (one posal above) offers a variety of

is helped out by a special pair of zoom windows that can be celled up in place of the spectrum analyser Using the arrow buttons, you can move back and forward through the wave in steps of eight

Techno Tracker

mere's elso a tracker section This works pretty much like most other trackers (ProTracker OctaMED etc) but in a simple fied form. Up to four samples numericel block disolay is used to enter notes from the keyboard. Strengely, the trecker song modules that it creates do not conform to the tracker file standerd, so you can't load them into any other softwere packages Even so, it's useful scratch ped for jotting down any Ideas which spring to mind

bytes, which is precise enough for most applications Although if you really need super smooth loops you may still be left wanting are the only way of seeing if your sampled wave is 'clipping' mum voluma levali.

because the mein sample window is ectually teller than the semple wave giving the impression that

headroom left, when in fect you some sounds and play eround with them, this sort of thing isn't e problem, but serious musicians concerned with optimum sound

quelity will find this frustrating Another quick of the wayeform displey crops up when working with very small samples. For

example, a short sound such as a closed high hat cymbal or a irmshot will not show up at all on the mam semple weve window You've probably

guessed by now that Technosound doesn't face Its own is similar to the Amiga's windows and menus sys tem, but infenoi in meny ways, with mutatma inconsistencies



A The reservan feature allman acceptes used by pervi

For exemple, the 'minimise' and 'ourt' gadgets on the minu bai do absolutely nothing - they're just there for show! Likewise, it's impossible to click in the status boxes to change their values as you would with any standard

The 12-bit option

For an extra £50 or so you can upgrade to the 12 bir varsion. Although you won't be able to use 12-bit samples directly with most trackers and sequencers, you can play them back from the Technosound software Unfortunately, neither the tracker, sequencer, MtDI module hard

disk record nor resistme effects features work in 12-bit mode. This is a great shame, as these would have made the 12 bit option far more useful. As it is, it's really only worth using the 12-bit sempling to create better quality 8-bit. sounds Sampling in 12-bit and duce finer quality sound. With the

plice approaching £90, it's nosing A. The built is tracker sequences to handy for setting flown ribnes, but topptaly in me negatible with other tracies programs

Its way into territory occupied by Aure is only available for PCM CIA equipped Arrings, but it has the advantage of software supnort from OctaMED and superior

Conclusion

number of features, then it would he up there in the 90% region. Boasting such delights as direct hard dove recording, a built in tracker. MIDI module emulation a cue-list sequence: stereo sampling et retes far higher than CD, a 12-bit option and plenty more, on pager it certainly sounds like a killer system.

While the sound quality is fine, if you take time to eliminate inter farence from other appliances Technosound is still held back by swisyerd working methods that should have been overhauled

years ago | Tony Horgan



least to did a didn his or village based A few price for the B-bit protess . 12-bit Lots of feature. marred by a

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Image Studio 2.2

■ Price: £14.99 ■ Developer: Andy and Graham Dean ■ Supplier: LH Publishing © 01908 370 230



Shareware turned commercial software - can Image Studio take on the big boys?

ha Arrage is blessed with a midmated at lamping from the first properties of the control of th

your naeds, it could represent

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which limits their use somewhet. This new version has the option of a colour preview which will be well met for those that enjoyed the fast mono preview in playous versions. Resizing the players window actually resizes the image which is great to scale down very large potures.

ImageStudio also has built-in virtuel memory that functions evan on Amiga's with no MMU Vary handy fot working on vary larga 24-bit pictures with multiple undo levels (another strong point)

ImageStudio 2 cullently supports importing of all IFF images IFF-24, BMP, GIF, JPEG, PCX and Targa It also exports in all those formats with the eddition of generating Encapsulated Postsonpt files if required Colour reduction is also excellent and converting between image formats of diffar ent colour dapths is another use to which ImageStudio is ideally suited supporting several types of ditharing including some I'd not seen before. The manual is condsa and well laid out featuring some excellent tutorels showing how to use some of the features such as the 'Remove Isolated Pixels function usaful to clean up dirty pictures. More often I.

AmgaGuida documentation to design your point parks although the packaga is intuitive enough to get to grips with by salf exploration. The Balance, Effects, Convolves and Co-ordinates GUIs are opened and closed by toggilling menu options. The positions can menu options.

also be saved to provide a nata working anvisorment to suit What ImageStude 2 doesn't do could possibly also botad on aftar the foct with the addition of some other sharewara softwere with a few Areac scripts to act as the "plus" Knowledge of Armax would greatly expend the usefulness of the product. For mistance it gould be ted to the sharewere Man Actor ammission.

packege to batch





process entire anima tions despria the fact imageStudio doesn't headla animation itself Some useful Arexx scripts ere provided. I aspecially liked the one to convert the current proture into an loon.

I found ImagaStudio 2 to ba Ideal to perform besic operations quickly and with a good feel for the final results. A typical sassion mig

results. A typical sassion might to siza, gamma correcting (shifting the balance of the colours to suit printing) and finally saving out in a different image format. For this kind of basic oparation. ImageStudio can't be beat for speed, simplicity and featuras However it has serious limitations which would make it completely unsuitable if more involved funcbons are required such as image compositing (blending together multiple images) or applying convolvas to arass that are not rectangles and even loading multiple images simultaneously is beyond imagaStudio's capabilities Simply put, ImageStudio is a poor man's Photogenics, If you need a fast.

quick and simple packaga for fin-

ishing up your randars or whatey



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81

PP Scene

The PD Scene is alive and kicking, Tony Horgen gets his shins bruised this month on a quick stroll through the

Public Domain.

Applejack

Mr Do! comes out of retriement to make an time round, it's like a cross between Pacman and Boulderdash Applejack as he's now nasties. This yeision really is a little on the

Available from: Mos PD, 9 Los-y-Wylen, Liesfairpwil, Yeys-Mos. Gwysedd, LL61 5JU. £1 plus 50p P+P.

Control AGA demo

3D graphics is the nins throughout the whole of this twodisk demo from Oxygen Anything impressive that can iuma fram your



here there are pre randered sequences, real time vectors in space real time texture-mapped and light sourced objects, blurred lenses and plenty more. The venous sections are tied together well to form a contin



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Miracles

Real time ray tracing is definitely fleyour of the month on the demo scope at the moment. With the AGA demo. you can see that the screen resplution is a little chunky, but you'll be pleesed to find out that the solid shary objects will to see real time ray trecad shiny objects (but you could heve worked that out for your

still impress all those who like dered and much malioned. herbivore, the Lightwave tricer

stops dinosaul mekes an appealence, before making a flight ecross a slightly record landscape

One for all of the dinosaul lovers out thate

Available from: Pixel Digital PD, Unit 6, Laurel Susiesse Centre, 15 Laurel Road, Liverpool 7. Tel: 0151 259 4017.



boosts the istro to this feart of pay-cheddelic. If you like your visuals still alipsey seal woodbly, you'll wet yourself whee you as a some wobbly, you'll wet yourself whee you as a some wobbly, you'll wet you have you have a have a case most of this stuff bearing a think forms, but don't but has you you off. The sound-track's tool A resurt for all space cadets.

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Batman ECS demo

demo these days that doesn't need to use on AGA Amroa. so it's need to see mechines, it starts with an improssive that combines hand



drawn artwork with vector graphics before moving into more stanmapped cubes. Meanwhile, back at the Bat theme, we're treated to a semny vector rendsion. of the Derk Knight and a return to the cartoon

enimation for the finale. The spooky jungle techno soundirack elso deserves a mention. Recommended to ECS and



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concentrate on weird colour
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PD Utilities

This month Met Bettineon picke the best PD he could find on the Aminet. Whet's more, it's ell

included on the Cover CD. U Paint 1.80

Paint program

A PD paint package. Sounds good to me, let's fire it up. Oh dear the first thing I see is a custom drawn ettempt at a requestar risk ing me if I want Hi-Res' or 'Lo-Res'. This is not a good sign. Selecting Hi-Res, my power LED flashes madly indicating that was sia experiencing major Enforcer hits. (A debugging program for calching (legal memory accesses). Not a good sign. When the peckage appears it's incredibly basic. You are mostly consigned to using the line tool. Thinkfully the crash that resulted later brought an end to UPsint's reign of B-Movie terror Oh yes, it's on the CD if dgual a laugh



Available from: Snappy PD, 80 Ottawa Road, Tilbury, Essex RM18 7RH Tel: 01375 850365, Price. .65p + 70p P&R CD-ROM path: Magazina/PD Utils/U Paint LHA, Aminet path: N/A

Executive 1.1 Multitasking enhancer

Forgive me if I rave about this but it's causing guite a stir in the Amios community. Why? Because it's brought the Amiga's multitasking capabilities right up to date The Amiga's standard 'pre-emplive prioritised round jobin' system has elways been able to multitask comprehensively but was lacking if you wented a lot of programs running simultaneously. Executive steps in with a full set of real task schoolulers to give your Amige multitasking technically the equal end more of the letest

So what does this mean? Envisage the situation where you have a lot of programs running at the same time. Suddanly you start processing an Image in some on your Amigs, it will freeze your machine as it eats up all the CPU time". You dould fix this by lowering the tesk priority, but this isn't practical when running a lot of tasks. Executive's solution is to recider all the tasks' phonties after measuring precisely how much CPU Time! They are eating for themselves.

This unregistered version has only one type of scheduler included which is still superior to the Amign's native copability. The registered version includes more and sumes. The extensive preferences program supplied comes in an MUI and nonwill get if their needs are something special. It's made my system more productive



enhancement of 1995 Totally assential) Available from: Robarta Smith DTP. 190 Falloden Way, Hampstead Garden Suburb, London NW1 6JE, Tel: 0181-456-1626 Disk No: UT781 Price: .90p + 60p

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HODULES FACE

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HippoPlayer 2.11

Module Player

Hippoplayer is a classic Sharaware mod player that's baan updated so often that you wonder it they can do to it. It's small, fast and has most of the features I have ever needed such as the ability to play crunched XPKed

archives Rendom



digitally mixed playback are also on offer Surround, Stereo (with channel mix effects. Various built-in scopus are also included. These features are all built into a simple prefs page and the whole player itself can be iconified into a toolbar or left open with CD player like gadgets in a small window of the previous/next modules. Unlike the competition it doesn't suffer the features by being a largish 500K argoram just for a module player Superb and definitely my favourity in this field Yet another essential

Available from: Pixel Digital PD, Unit 6, Laurel Business Centre, 15 Laurel Road, Liverpool 7. Tel. 0151-259-4017 Price: £1.00 + 50p P&P CD-ROM path: Magazina/PD Utile/hip211.lha

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most of the time remaining iconified to a toolbar silantly checking inserted disks and watching certain files for version on the cover mounted CD ROM It's the best.

Available from: KT's PD, 75 The Drive, Rochford, Essax Tel: 01702-542434: Disk No: U820 Price: 90p + 75p P&P

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Diary 2000

Personal Diary Utility Coming to you all the way from Patteva just a simple diary. utility which allows you to build up a diary for the naxt fiva years. What makes it interesting is that the author has no proconstructed tha entire packaga out of modular AmigaGuide

astoundmo feet and

Aminet path: N/A

METERST HE 7145210051 NAV: TOA | 1997 | 1998 | 1997 | 2009 | Fighers of the Reach.

even if it s not useful as a diary organiser it's certainly a brilliant tutorial/example of what can be dona with the Amiga's unique AmigaGulda script language. The diary can eccess other utilities such as multiview and the calculator making it much more than a non interactive script. In fact the public domain text aditor OED is included to enter in your own details. Recommended for those interested in AmigaGuide.

Available from: Software 2000, 9 Wills Street, Lozells, Birmingham, 819 18P. Tel: 01827-58496 Price: 990 + 700 P8P CD-ROM path: Magazine/PD_Utils/Dlary2000.dms

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Gallery

Pixel Piccassos and pop art plagiarists abound in this month's look at the colourful world of Amiga art.

Elements



Making An Exhibition of ...



Paul Hamilton whose work appeared in Art Gellery August '95 (A quiet night in) will he holding his first schibition of his Amige artwork on 4-28 October at the Reflections Gellery. Exeter and Devon Arts Centre, Gendy Street, Exeter. Admission is free so you've no excuse for not ettending.

Soul Seeker



by Deniel Brunkert, Sweden

ke-Cream



by Hisham Khalifa, Bahrain

If you think you can do but for than any of the pictures that appear on these pages, and your entwork in to Art Gallery, EMAP Images Priory Court, 30-32 Farringdon Lane, London EC1R 3AU. Dr you can Erns Lisa Collins at gallery@euarina.demon.co.uk

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NET GOD 106 What about more on-line games for the Amree then Our net mester calls for more combat over the phone lines.

IMAGE FX 108 @

Sharks in Sanfransiaco bay and F 18 fighter planes ripping

PAGESTREAM 110 • Making your own business stationary is explored by Larry Highmott this month as he

GRAPHICS MASTERCLASS -PERSONAL PAINT 113 Personal Paint is stacked with special effects and image filters. Peter Lee explains

how to use these to enhance your dustrations beyond all recognition. BACK ISSUES/SUBS 110 .

If you want any of the cover disks mentioned in our tutorials then our back issues

FAQ 115 Null modern connection is the subject of this month's FAQ, following considerable interest in last month's null modern games feature.

Q&A MASTERCLASS 120Using Areax for multimedia multitasking is the subject of John Kennedy's column this month. Windows957 & 3:

Q+A 122 Tony and Mat emerge once again from a derk, smoky room with all the enswere you need to help your Amige run smoothly.

BACKCHAT 126
Readers letters continue to provide the best insight into what's happening on the

POINTS OF VIEW 130
The man they call Andrew Breybrook, of Fire and Ice and more recently ViroCop fame talls as whet he thinks of software publishers lack of COS2 support.

Sound samplers ere the subject of this month'e comprehensive Our cover disk tutoriale continue epace with OctaMED. image FX and PageStream and Poter Lee gets on with his tutorial on Personal Peint. the latest version of which Is

the new Amiga 41200 end A4000T, Next month hie tutorial will ook at that version too. Ali

bundled with

Comms, PD and Q&A. Reed on ..

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Buyers Guide



trin your Armga, mempulate it and create wonderful music Prices range from £30 to over £1,000 so which is right for you? Take your pick from this round-up of all current Armga sound samplers.

MegaloSound

Supplier: HiSaft fel. 01525 710 101 Price: 628.85

MegaloBound is CU Amiga's favourita budgat aamplar. It pluga into the paraellal port and offars almultanaous atarao aampling. It'a quita small and has a 'galn' control for adjusting the sensitivity of the cartridge to the incoming sound, making it seaser to moord with a

good aound to noise ratio. Software-wise, it has a customlast user interface with obscurely marked graphic icons and text labelled buttona. Evan so, it rates highly thanks to its many editing functions and affacts including: lowpase filter, highpees filter, centre blee, brighten, amooth, phaser, bees boost, trable boost, flance, distort, metallic, X fade, pertamento, rspitch, chorus, echo, mverb, pipe, modulete, trem lo, pan, vibrato, Y flip and maample. You also get plenty of handy functions for finding smooth loop points All affects can be used to alter semplas in memory, and many can also be used in maltime on sounds coming through the sampler certridge.

Sound Samplers

Sunrize AD516

bie box Amigaa, so it's not

Supplier Pressing Vision Tel: 0171 729 7850

Price: £1173
The Sunrize ADS16 hard disk 16-bit audio samplar is strictly for professionals only – as dictated by its price £2999 ax VAT) if nothing alsa. It comes in the form of a Zorro card for

compatible with the A1200.

However, it is compatible with the powerful MIDI sequence flare and Pippa, as well as the PAR card (a the Broadcaster Elite system. It has been designed for professional sudfoviased work, re ther then as a samplate for madeal applications. Alony with timecode aspport, alight track 10-bit audio output, restline affects processing from its on-hourd DBP chip, and has anough power to chip, and has anough prover to

synchroniaed preclasily with video. Unless you'rs intent on producing eoundtracke for videos or some similar application, you would be better off looking alsewham, as it prefam to work in a linear fashion, rather than as a multi-timbral instrument. For those whose budget will statch, it is undoubtadly a luxury that will be walcomed with open area.

Aura

Bapplier HiSoft fol 81525 718 581

101 81525 7181

If you demand more than 8-bit aound quality from your Amiga, you could do worse than take a look at Aura. It's only available for the ASOD and A1200 because it makes use of the PCMCIA ports fastured exclusivaly on these machines.

The Newtreen aports thme pairs of phono societist can pair for input, one for output, and another input to be connected to the Amigica and another input to be connected to the Amigica and the another input to have the carridge oennected to the Amigica and your spaakers without having to switch wires a cound whan using other programs. Sound a sempled and played leads through the carridge at 12-bit resolution, but all ride out in 13-bits for cleaner results.

5.04 and shows has dimet support for Aura, giving you the option to replace one of the four 5-bit channals with a 12-bit Aura channal. The Aura saftware is pretty good too, with lots of mate affects. The realtime affects are perticularly useful – just about clear anough to be used in professional music production. You can avan doubla-up these affects,

The good news is that DetaMED

aimultaneously using a phaser and reverk routins for example. Thanks to the support of OctaMED, it is now of real use to musicians, rether than just a bit of a novaity.

DSS 8 Plus

Supplier Person Computing

16f- 81234 273 006 Price #86

DSS & Plus was alreadopad by the highly respected GVP and is now sold through Power Corneling the County Corneling the County Corneling the County Co

The softwarn is quite flesh affair,

featuring a nast interface and an inlusif tervisor for knocking up tunes. Dae of the unique options available in DSS 8 Plus Is the special high frequency filter. This removes high frequencies (such as his and cassatts frequencies (such as his and cassatts recorded into memory, and leads to vary clean semplas when desiling with best sounds, for superior to filtering after amplitus.

For the more experimental users, the hardware can be controlled via ARaxx from within other programs. It doesn't have the biggest range of special affects, but for good quality basic sampling it's hard to best.



TechnoSound Turbo II Pro

Supplier New Dimensions Tel: 07251 888 833

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Its.

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Price. £40 (8-bit certridge) £40 (12-bit add ee)

TechaoSound Is a well astablished favourits with Amiga musiclass, it assma to have reached this position by aimply refusing to go away. Every sow sad agais it gats an update with saw features (hence the long-winder title), but the general operating methods have remained feithful to the original version, it's now available as

as 8-bit samplar or a 12-bit versios. Unfortunately the 12-bit sampler doese't upprade your standard chassals to 12-bits, lestead it sllows you to sample, meelpulate and raplay sound at 12-bit resolution, but only from the TechnoSound software.

This is snother eystern that uses software with a customised laterface. Ualika the MagsloSouad software. the CU Amiga team fied the TachnoSouad laterface is rather swhward and fiddly, but that really in a personal preference, sad you may

wall feel differently about it. Apart from the steedard editieg fuections, the available offscts iscluds: clean up, X flip, Y flip, dslsy, multiple scho, phase shift, amplify, softes, octave up or dows, acte up or daws, pitch up or down, compress, claxinase, yacs in and tade out. It also includes a heat of voicechanning effects, direct to hard disk recording, comprehensive filtering and a built-in tracker section. If you can get over its quirks. TechnoSound Turbo II Pro is worth a look. Check out the full review on page 54 this issue for more details.

Toccata

Supplier: White Knight Technology Tel: 01928 922 321

Prior £255 Like the Suariza AD512, the Toccate is a Zorro card for big box Amigas

but it's substantially chasper. It offers 4 chassals of 16-bit audio, which it likes to record sad play bach direct from a hard drive. Its host software, Samplitude Pro, costs as additine of £118 Unlike the AD516, thers's so DSP

chip for realtime affacts, and timecode Isn't supported. However, it can be linked up to the VLab Motion realtims JPAG video card to provide sounds water to your pipics, views productions. Good news for musiciens is that it can be used directly with OctaMED from varsion 5.04 and above. Anyone looking for a costeffective 16-bit sound card expansion would do well to consider the Toppata.

Akai SO1

Samplier: Akal UK Tel. 0151 097 6300 Price: £783

> This isn't actually an Amiga parighers but it's worth cossidering if you're after a 16-bit sampler. For musicians, It has pleaty of advastages over the Amiga-specific 15-bit samplare

It comes with 2Mb of RAM (15.6 asconds worth of sampling time), and cas play up to slaht voices at once. Although it only has a mono output, the 15-bit sound quality is excellent, with a fixed record rate of 32 KHz. Samples are savad out to the SO1's com to hoppy arive, which unfortunately is not Amigs DOS or MS-DOS compatible.

It's a standard MIDI instrument, so it can be driven from any MIDI sequencer such as Music X, Bars and Pipes, OctaMEB or KCS. With any luck, prices of outboard MIDI samplers will come down soon. Even so, the SO1 is the cheapest of

its kind, and as such is recommended to musicions who need more sample power.





Product	Price	Compatibility	Hardware type	Resolution
MegaloSound	£29.85	All Amigus	Parallel port cartridga	8-bit
TechnoSound Tarbo 2 Pro	£40+£40	All Amigas	Parallel port cartridge	8/12-bis
OSS 8 Ples	£55	All Antigas	Parallal port cartridga	8-bit
Aara	£99.99	A1200	PCMCIA cartridge	12/16-bit
Sauriza AD516	£1173	Big box Amigus	Zerre card	16-bit
Yoccata	£299	Olg box Amigas	Zerro card	16-bit
Akai S01	£799	All Amigas/MIOI	MIOI iastrament	18-bit

OctaMED 5.

There's a whola orchestra of instruments in OctaMED just waiting to be tapped into, All you have to know is where they are and how to use them and that's where we come in ...

n lest month's effect-based tutoriol. we used the same instrument, the drum beat, throughout However, it's very unlikely that you'll spend all your OctaMED days using just the one instrument: eventuelly you'll acquire hundieds. This month we'll learn how to keep treck of them of all as we look at each instrument's nnique settings

The eample list

Whether you is running from a hard drive or from floppies, the best way to keep track of all your samples is to use the Sample Liet and directory reading that would otherwise be necessary each time you wanted to locate and load a new sample. Creating the list is easy you just select your sample directories from a file requester and OctaMED reads in the names of all the files. You can then select samples from this list, and OctaMED will know exactly where to find them lesking you to insert the relevant floppy disks if necessery). This is how it's done

Lond OctaMED and open the Sample List Editor window (Display menu). On one side you'll see the list of sample directories on the other side the samples that ere in these directories. There was a sample on last month's GU cover disk (you did buy if, didn't you?), so let's add it to the list.



Firstly, we'll remove all the existing directones in the list because we don't actually have any of them. So click Remove Dir Ibottomright) antil the list is empty. Next, insert last month's covar disk, then click Add Dir (bottom right) In the file requester click Volumes end CU 117 than click Samples end the OK AcGuital sample should have appeared in the list (don't worry, it gets better then this). If you have env more sample directores do feel free to add them, if there's a mixture of samples and other files in any directory, edd the directory anyway and ramove the non-

semple files by clicking on their nemes and clicking Remove (bottom-left) one by one

A right rip off

Remember the two demo songs on the OctaMED program disk? Using the Sample List Editor, you can rip' Jextract) the samples from these songs. So let s do it. Have a comthing apt) at the reedy. Then edd it to the list by clicking Add Dir egein (and click Volumes

disk! Answei After Current in the imprester Next, load the Dinm Solo song into memory lit's in the Modules directory of OctaMED disk 2) Finally, open the Sample List Editor if necessary, click on the Samples, directory in Inste button (bottom-nght) West for a bit end



saved to your disk. Do the same again for the directory like the one in the ecisenshot

Instrument settings Each semple has a collection of settings whi

affect the way that it's played. These settings are shown in the boxes below the lists (from Repeat down to Pitch). Click on the first sample. in the list ('909 kick'), and von'il see that it has e-RepLen value of 600 for example

For now we'll concentrate on the Pitch setting and change it for three percussion samples Click on the 'b1' sample then change its default prich' to C-3 by holding the



left mouse button on the box beside Pitch C-3 keyl. The box should show C-3 if every-

things gone smoothly Now in the same ware change the 'h5' sample's default pitch to E-3. (the P key). You'll need to dieg the instrument list's black scroll bar to reveal 'h6' Done? Finally set the default puch of 's0d' to 0-3 (key O) When you've finished, seve the sam ple list by clicking Save List (bottom-right)

Loading mede easy You can now load samples directly from the Sample List, without having to read and

Close the Sample List window and clear the current song (from the Project menu). You can access the Sample List by clicking the small button marked in red in the screenshot here Click the Samples, directory, then click on 'b1' and it will be loaded. Play it to make sure Select instrument 02 (use the Next

disk directories

Inst/Free buttons if you like), then load 'h6' (use the scroll bar). Finally, load 's0d' as instrument 03, and close the window

So you sea, the sample list is a pretty next offort-saver And remember the Instrument



- ys... e-9: Selects instrument 0 9. .: Togglee first instrument digit (e.p
- 05 >> 15).

 ★ /, -: Next/previous instrument.
 (, /,): Decrease/forcesse current instrument's volume by one.
 /: Selects lest used instrument.
- ent number
 - arest cursor. ter: Selects en elphebetical instri ant (press Enter then key A to V).



settings (Pitch, Replen etc.)? They've been loeded too Open the Instrument Paremeters window - 'parameters' just meens settings by clicking Inst Paiams (top-middle of screen), and note the Defeult Pitch setting et

Default pitch What is this default pitch enywey? Well, per-

Y

, You

cussion sounds are generally played back at one pitch, unlike instrument sounds. So instead of remembering the best-sounding OctaMED remember instead? Hence the default pitch. You pley the sound at its default pitch by pressing the Fikey. So when constructing a beat out of several percussion enter every sound rether then thinking.

Oh, the convenience So switch Edit mode on and fashion e

drum beet using instruments Q1 to 03 in lines to use the F keyl And for even easier enter ing, try using the numeno keyped (if your Arniga sports one) - usa keys 1, 2 and 3 to select instruments 01 to 03 See the panel for more deteils if you're stuck for ideas,

01 02 02 01 03 02 01 01 02 03 02 01 03 02

000	C-3	10000
001 002	E-3	20000
002	E-3	20000
003	€-3	10000
004	D-3	30000
005	E-3	20000
0004 0006 0007 0008	₹~3	10000 20000 10000 10000 10000 10000 10000 20000
007	C-3	10000
008	Ē-3	20000
009	D-3	30000
010	E-3	20000
011	₹-3	10000
012	D-3	30000
013	E-3	20000
014	E-3	20000
009 010 011 012 013 015 015		30000 20000 10000 30000 20000 20000

Ready? The first 16 lines should be percusrepeating these 16 lines throughout the block Select Track manu -> Capy In order to copy the track to the capy buffer Now press. F7 to move to line 018 and select Edit menu

A Sound Ticking Off licks' are OctaMEO's basic usit of time, much like the esconds of a clock. In act, you can think of Tracker editor blocks as hours, lines as misutes, sed then

H's possible to play one Tracker editor line every tick, but usually lies as played or swerp with tick. This is controlled by the annuler campo distinct top-right of main screen which screenily above 50. H's best to four tick forcing that of main screen which screenily above 50. H's best to four tick forcing that is also beginned by the boundary of the screening of the screening of the latest of the length of the boundary of the screening of the screening of having of source fixed length. (I've news conferenced how the inegal one and batts Is defined. How case you store a length of time 70 th wall.)

Take an Inguist junctionie, but they're important in a few cases. Med appointed in the first instantiant, in takes, or a value of a two takes in sets one on the cases the state-link-up-line standard). And while acres are played on the first till of oach in, offeres such as picts sliding on extended on ones; the Take player convenience of the convenience

> Paste Range. This will repeat the pert you JUST Copied Press FS and salact Pasta Range agein, and similarly with F9. We'll og into more deteil about copying in a forthcoming tutorial Play the block end have a little dance DK Other than loading instruments, the other sample list godsend involves disk space or the copious saving thereof, Usually OctaMED seves a song together with the matruments it uses in one big file, buf elternetively it can save only the instrument nemes and the note date When you later reload the song DataMED loads the instruments directly from

your semple disks using the sample list to locate them Right, open the Seve Options window

(Project menu) and select some sort of filename Now circk Calculate Size (bottom-left) size agein. It will now be about 2K, which may not seem a big difference, as there sie relatively few samples in this song but if you use lots of biggies, the saving will be

Amples:DefaultFifchSong med √! Save Secondary Data File Farnat J MMP2 (OrlaHED VS-VB) F MMD1 (OrlaHED V3-VS) JIMOS (MED & BetaMED) (a) No Compression Bl Save Halt [-Hodule ...

enormous Click Save to save the song, then OctaMED's automatic-loading in all its glory

Useful parameters

using Inst Paramsi centaris many more useful settings. The top box is the instrument's name and the slider beneath this is used to cycle through all the available instruments.

State Dicaston				
Jilush T				lasi
Denna King				
Repeat Sing	PERMENT UND	-	200	

Repeat, RepLen and Loop On set the sample will be sustained until you stop it. This is due to a particular part of the sample being repeated over end over egain or Tooped. The AcQuiter sample, for example, has a loop Load it in using the sample list, then epen the black squiggly line is the sample in picture form. See the two 'loop pointers' en the right of the sample picture? This is the repeated white marker flicker over the repeated section when it's reached. More on this fascineting With Transpose you can make sure your

Instruments are in tune with each other Try it out on a melodic instrument like AcQuiter samitones (for example, a value of -1 makes cycle gadget to tune in finer steps Hold and Decay central a note's exact length and subsequent fade. For a quick demo, set

AcGuitar's hold/decay to 4 and 1 lenter a note

in the Tracker editor and play the block. The Hold duration is given in 'ticks' (see bax-out). the Decey in goodness-knows-what but values above 10 are pointless, elthough 0 is possible Use player command 08 with a note to overnde the hold/decay (first level digit is decay, second

The Volume slider is a popular one, try samples we've used Player command 0C overndes the Vol value Just the MIDI gadgets left. which we'll cover later Ed Wiles





Lonely on the 'net? This month we get social on the Internet Reley Chet.

he Internet Relay Chet or IRC is a nest system. for conducting realtime conversations with multiple participants across the Internet Comments from other people in the conversation appear on your scieen as they are typed. each one labelled by name so that you know who is saying what You join in by typing comments from your keyboard, which appear on

Setting up is fairly easy, and once you get into it, it's so enterphone bill rocketing! If you heven't done so already, sign up your Point of Presence (PoP) phone number with BT as a premier line and you'll get 15-20% off calls on that number.

We'll presume that you already heve a working AmiTCP set-up and a diel-up SLIP account. If not. you can patch up on pievious

Wined World instelments by ordering the relevent back issues. See the contacts penel at the front of the megazine for details If you have been following the

series, you should already have the software required to access the IRC night now. Concerning the two options. The first is to use a piece of telnet softwere, such as NapsaTerm which comes as part of Demon Internet's installer softrathai shoddy There are better clients evariable but the real solution is to use something known es the 'telser' device. This ellows you to telnet using a real terminal Term) with the advantage of the extra fentures available from these peckages. If you have the CD edition of this month's magazine, you can find the telses



▲ The care companies IRC clients for the Amiga. On the top in the long standing Temperion complete with less better hints. Below in the powerous Amilt phone with its handy channel for employing ages.

directory 'Magazine/Wijad World/, Have a read of the documentation provided with the package Once installed, you simply change the 'scriel device' in your terminel package to 'telses device' Now you can telnet ATDT dismayl demon co uk 6866° instead of a phone number

Location

Pittsburg, USA

Maine, USA

1 Canade

I Chicago, USA

Spokane, USA

Hamburg, Germany

Wuerzburg, Garmany

Haweii

Telnetting is just like using a

termine! package in that all that's with text. Text is sent to you type text is sent to the other end. The beauty of telnetting is that be it on IRC server or a BBS, for the cost of a local cell. You'll find plenty of Amige BBSes that you

BBSes you can Telnet to

Teinet Address bbs.mxi com chat.multivarsum.com incubus,franken.da tka.com laserbase.com olib.org obscurity.pd.mcs.net

Anything Goes The Flying Toaster Freeport Cafe **Gnomes Guest House** Hotcity

BBS Name

device on the cover CD in the

Incubus The Kobayashi Alternetive I scerbase Communications OpenLibrary Principle of Obscurity Proton Palace Professional

TerraFirme

The Stormfront

Note: Don't enter a port number for all these sites. I = Amiga BBSas (many have Amige meterial enyway)

can telnet to-Linking up In this case, however, we want to

up as you would normally then enter Telnet dismayl demon co.uk 6666' This means you want to nort 6666 which is used for telnet socials. Now you'll be prompted for some details about your terms nal Enter VT200 here and then This is the nickneme by which you are known on the IRC It's a good idea to pick one and remain consistent so that people know someone else might be using the name that you pick, whether you've used it before or not, in

tfbbs.tvinet.com

a. The offence felt classed fine officined sock levels of from that it was paramona in very new WWH home page entertained by Robytoph Third o factalt on occur of the chancile regulars in come you're centers.

which case you'll be told to choose another nickname Erther way, you can still use your originel choice, but just add an under the name, then the people in the channel will still know who

JOIN #Amaga" and you Il log into least 30 people on it and via telnet you'll be sent a burst of of all the people on the channel Their comments will scroll by

on the screen with the 'nrck' on the left-hand side indicating who said what If you type something other people who will see your on the right. You are now on the IRC^r To leave that channel type /LEAVE You might like to try a general chat channal like GB' Try

Homegrown While you can leinet to the IRC in trop onto the IRC. This involves running your own dedicated IRC client, such as Grapewine This is a protocols used in the IRC networks and so provide a more inturbve interfece. In prectice it blows the recommend you give it a shot



Wildrege a Contract which page to prove that the MC me t the pole femare of man.

If you loflowed last month's

hard drive) using the extractor util

2 Open a Shell window and use the cd command to move into the directory to which the archive was just exmacted

hrt Return and you'll get a list of

LHA x DCC-Send-1.12.1ha a load of files from that mini 5 New 'orf' to the DCC directory rename DCC. ChetAS225 to

and do the same for the raman-Installed, Just Irok up and double

Heard it through the grapevine

connect to irc colorado edu' Thra lan't ideal. There sind need to connect to the States to get on the work menu end substitute 'irc colorado edu' with which is a good choice if you re not a Demon aubscriber There's also 'ry eno ebdn ec uk' in Aberdeen end

ber on 6667 which is the relevant port for all of these servers. While you're here enter your names m the other boxes. Now enter the 'Settings/user' menu and anter select 'Server/Connect ' Enter 'Settings/network aarliar and You II see it automatrcelly proceed

through the regretration process command Try #Amige for now Met Bettinson

box eppeer and you land nobl in tion in the Grapevine archive for further information. You'll find in to be an item of software the Amiga

There's a new IRC client that for those looking for an alternative and it uses Mears User Interface good or bad depending on your apinron of MUI Whilst only in the Alpha stage of development, I enough to put on this month's Cever CD. In order to install, just That's it Everything is built-in like DCC and the like It also has a builf-in feature to download the letast version which is a good thing because I can guarantee there'll be a new version out by the time you reed this. The choice between the fwo fantastic IRC clients comes down to parsonal choice. I urge you to have er Amiges may wenf to use

. In case you want to chat, you using the nick of Fingers Hope to see you there soon

Amiga IRC Channels

On Effnet:

Frontier Foundation server in the States It's by fer the brggast and most diverse but it does suffer the IRC bane of netsplits, where Servers lose the connectron between themselves over the 'net and 'lag' where the time taken for messages to get around the globe increases drestically. This does little to

#Amiga:

use) it has a resident robot ('bot) known as 'Mama' which does all sorts of wonderful things like searching the Aminet archives for you and even sending you files directly Whiin in this channel a purck tutorial on what she's about. This channel is Channel Operators that terronse new users, so beware. Never announce you are a new IRC user publicly. Use the private massage system by typing /MSG <nick> <text> E G If I'm there, say helle by typing '/MSG Fingers Hella!

#Amigascne

This channel is more to do with the Amiga scene than the Amiga computer as such it tends to be full #Amroa's little brother It used to have a 'bot too celled 'Papa' but the operators of the German IRC

#AmigaCafe

In answer to the criticisms that the #Amige channel is full of overzealous channel operators who are guick to flame and kick new users off the channel #AmrgeCafe is touted as the friendly new Amrga chennel. All men are equals and aggressive behavjour is strictly off topic. Makes a change from #Amiga sometrmes

On Undernet:

An alternetive network which can be connected to in the UK by means of 'uk undernet.org'. It's smaller faster and has near zero netaphts. Unfortunately it suffers from Catch 22 No-one uses it because EFFnet Shame The #Anrige channel also lives in



Surt's u

The surf king wants more decent 'net games. Plus, what's hot end what's not in net lend. pete with the

Net God Speaks 'Give us for network canable Scorched Tenkal' acreemed the #Amige IBC channel In the topic benner, referring to the teck of

proper network gemes available for Amige 'net nute Thet's right, this

month I'm going to moen about the lack of good gemee to play over the net. How sbout Gloom? Wouldn't It be great if there wes e Gloom server where we could all ewoop in for a MUD with a difference, sdrool> It's not herd to do either ... those games that already support serial links just need to have the facility to change the device used so that we can play them over the 'net vie the Incredibly useful TelSer device. Why limit link gemes to e local or even netional call when the world is crying out for a decent game of

Alien Breed 3D. Commercial developere end Sherewere progremmers elike teke note, we'd pey good money for the prospect to cut, blest and nuke each other to bite scross the Internet. How about giving it some thought sh? Go on, my soys are in the

post if you do. On a slightly differconferences were strengely devoid of probing questions from one of their most vaciferous advacates: John Kennedy. The reeson? In cese you heven't heerd he got married in September!

News:

Zeus BBS unveiled The Zeus BBS software has been hot news ever since it entared beta tasting Fmally it's been raleasad to the public. Tha Brighton based programmars Nick Lomen and Alax May released Zeus on the 30th of September at a party that draw SysOps from all over the world to calabiate.

Zeus promises to provide one on any machine let elone the America Advanced features such as Amer menus, local RIP viewing, multiple message base formets, moluding internet support and the Hydra bidrectional protocol have had meny SysOps rump ship from other less capable software. The BBS package draws nita configurability so some knowledge of the language would be useful

If Zeus sounds like it may be the BBS packega you'ra looking for, why not contact the Zaus teem on E-merl, zeue@mistral.co.uk or WWW: http://www.mistrel.co.uk/

New IRC client has unvaried a new standard IRC

user mterfaca, e move extremely polarisad Wagner's earlran valrent ettempt et tak

cleant AmIRC, to com-

usa MUI to build tha

The problem was that Amiga owners falled to be motivated to participate in the CLChat network and it remained deserted. So it should be interesting to see how this one is received. At any rate, the new features and casa of installation make AmIRC worth a look for envone either new to the IRC or a Grapavina old hand

Grapsytne author Brien Cerveny was haard to say, 'Interesting how it has adopted my channal

demon.ip.support.amiga debates A1200 package A1200 bundle contents Damon Internat Services Amige

Thor 2.1 released

The sheraware Thor puckage provides a superb mterface for mail end news handling and has been steadily improved sinca its incarnatron. With the advent of the newly released version 2.1, many improvements have been added not least the inclusion of the ThorTCP peckage. This provides dadreated Internat Mail and News slurging clients (NNTP SMTP and POP3) for Thor which turns it into an entire solution providing not only the means to read and write the electronic mail/news but to also up/download it from your provider Many bugs fixed and small improvements have been added to the softwere which must surely make it the No 1 integraled mail and naws package for the Arraga. You can find it on the Aminat in the comm/mell directory or you can drop into the Thor http://www.cm.uit.no/-kjelli/thor.html

customers have been dabating the worth of the packages included in the bundle. The on most scores epart from the gemes softwara

Criticisms were levalted. bundle whilst others thought that an Internet package should have

Team Amiga offers

grass roots support Rick Lambree, an Amarican contributor to the AMIGA Fidenet echo, has craated what ha described as a gress roots

support club called 'Team Amige' The smale rule for membarship is, "That you are an Amegia fanetic who extols the virtues of the Ames to anyone and everyone you meet who is interastad in computers and now that the Amrae s future is looking up

your deter's to him so that thay can be added to a membership the 'one who started all this'

thair heart in the right place as concerned You can reach Rick vra Fidonat et 1 326/209 ...

The new home cinema...



... read all about it in the November edition of PC Review. Comes with two high-density disks or one CD with up to 28 demos and games and money-saving programs.

The best magazine for the home PC owner.
On sale 15th October.

PC REVIEW

Yet more stunning graphics tricks are uncovered in this month's Image FX tutorial.



A A polycism affect were mard on the pky to successor



upof through the assent harries with a combination of fungs FK processes. The elypta effect is acknowed weigh seligh those louis its toeseou in the annie image. The incellected plans was their drupped eyes the lap. nexted back note the cooled backsmand

he first of this month's Image FX creations introduces the idea of 'elpha channels Alpha channals are imegas that are used to alter the main picture, which can be very imaga without dastroying tha

The mein image was taken month's CU Amige Megazine it's called 'la18 kg jpg and is located In the Aminet/pix/vehic drawai Take a look at the final image and you'll notice that the plane itself is carve out the plane and seve it out to disk. The best way to do ractangle, pasta it onto a spara



A This is the Image responsible for adding the applies to the teckground.

It was resulted with Photocooxics asked the ripoles leader.

buffar and then ramove tha it beck out once you've done that. Once the affects have been applied to the mein image, you plene back in position Now you can start applying

First of all the sky has been

ton (usuelly marked 'Eull') Now mark

Custom and draw

mg out a wildly ascillating line on widai range of colouis in the sky

Alpha channals

part. The image used for the alpha channel in this case was _, actually ganarated with

Photogenics using Its Ripples loader. Load this into the alphe channel using the Alpha menu Copy the mein image into the Swop Buffer using the

Select Filled Rectangle drawoptions Switch the Mode button drag a rectangle from the top left bottom right. The image in the alpha channel is used to give the

main imaga a new texture of the plena back into the spare scissors' roon (double click on it)

and paste it back into its original the edges).



Shark attack simple combination of two mages, except for one thing. The

Pantograph feature was used in order to soin the two without it looking obviously faked The source images are both

the CD-ROM edition of GU Amiga Magazine The upper pert is en Aminet/pix/views drawer on the

CD. The sherk is neturally enough

a file celled 'Shark (pg' and is in the Aminet/pix/feuna drawar on the same disc Once the images have been

scaled so that their horizontal dimensions match, a new screen or buffer needs to be created The dimensions of this need to be as tell as the combined heights of the two source pic-

tures with the same width Load the picture of the bridge into the spare buffer, cut it out as a brush. and then paste it onto the top half ed. Load the shark picture interthe A. H It's actory tis II you most, you can't best o great white shark, to that o Band policy put of his throat? spare buffer, cut it out end pasts

A Ten can find this sectors of the Baides Bate

it onto the bottom half of the You'll now have something

that resembles the final picture but the joins between the two will be very obvious (see too nohti. This is where the Parttograph trick comes in

Pantograph painting

Pantograph drawing is available from the drawing mode options You can use it to duplicate parts of an image in order to fill in or erase features, Choose a brush size of about eight pixels, and select solid line freehand driveing Double click on this icon to access the options and cycle the Made button so that it reads Pantograph Now move the pointer to a

part of the sea above the shark. hold down the ALT key and press the left mouse button This defines the source erea of the picture, from which graphics will

ing to rt? The tore pictures ore physically from different socres but the Pentagraph tool will some marge them seemlessly ingelles. be copied when you paint alsowhere

between the two images and start release the mouse that the see from above is duplicated in the erea you've just cov-

on the screen Now

ered Repeat this process. ra-defining the source point with the ALT key occusionelly to keep it looking netural As you get closer to our fishy

friend, you'll need to fade the waves into the dark water and spray around the shork Graduelly decrease the Blend percentage from the drawing options to get a netural graduation. Pantograph mode is a very

useful tool. For instance, it could be used in the same way to duplicate the lone yeaht into a small flotilis of boats, or to extend the mountain range on the honzon Tony Hospan

Memory Loss If you seem to be getting continual 'Out of Mamory'

messages, try scaling your images down. If you atiff don't seem to have enough RAM, try disabiling the undo fasture and deleting all unused buffers (including the alphe channal).

estream

Before powerful computers such es the Amiga, creating a stetionery peck wes the job of professional graphic ertists. Not any more, CU Amige Megazine and Softlogic have given you your very own design studio.

create lots of tems that would have pack for the next few months Such a task ty to show off many of Pagestream's features so you can make use of them for other jobs like

newsletters end so on This month I want to walk you through a number of the features in Pagestream 2 that will help you to map out your pages. These functions include grids, guides and page sizes. The version of Pagestream I'm working with is the from the CU Amrge Magazine cover disk. The stationery pack in these set of three complement slips and a nheet of business cards



pages Select the 'Fla/New' menu tem This brings up the 'New Document' penel which is the starting point for all new documents. From here you can make use of seven predefined pede sizes or circle on 'User' and



A Whee it comes to creating pages to a new go for gradulised gage bines as use one gadget to create your over cartion page size.



A A partent gage is not return the long odge this spright

For the stationery pack W8 want on 'A4 page size because that's the most common paper Australasia CU Arriga readers in Amenda will probably want to use another page size like 'Letter'

Of the other attributes, make sure you have Portrait selected as This is because each of the pages single page. If you were creating a newsletter or book say end wanted to make use of Pagestream's 'Master' pages tool, you would This is assential for pages in documents where two peges face each other (See the boxout for more Information about 'Master Pages') When you have set all the attributes for the new page, click

the left mouse button a good idea to save it in case of creshes or time you go to save a document, choose your file a name



2. Customising Last month in CU Amiga, you

learnt how to set some ettributes for Pagestream using 'Tool Types take that a step further and customise Regestream for the jobs shead The reason we do it now settings, we need a document, which we now have

Our first attribute to set is the work with. This is set from the 'Inches', springthing many of you 'Millimetres'



A. farm to reduce by unlecting the "B

A You are smalled for above when it power to



designing a puge. Us; the meater to now Manifebon Graf to been rick. ton for it and then circk on 'Save

Default' The unit I'm using during these tutonals is 'Millimetres'

3. Ruling pages Units are one thing, but you need to see them on a ruler to know where you are on the page. At rulers visible, so choose

Master Pages

As we won't be using Master' pages during this series of tutonels. I'll give you a gurck ross of what they're used for in multi-page documents like newsletters reports and books, you will generally heve a number of elements that are repeated on every page. A page number or a header giving the title of the document, for exemple Instead of having to create these on each page, you can place them on a 'Mester' page and they will be present on every page in the document, Don't place just anything on the 'Master page though Leave off items that you may want to edit leter, like text colu mns for matance, because items from a 'Mester' page can only be

muts clearly so the raise

should still be on page t As most of you will have probably discovered, when you go to paper that the printer cannot print er's herdware mergins. So, before doing enything in this document, you need to put some guides erea on the page that your printer

give you en idea of the margins you need for your pages. You

> pernot print on. In my case though, I know the printer mergins are much smeller than the margins I of the page. The Edit the page that will cone letterhead for examon both the left and

light of the page. In biggei

More important than the side margins, is the bottom margin, elements will stop I normally use a 12mm bottom mergin so I can place a page number these if needed If your printer requires a larger hardware margin, this will need to be bigger On some printers, you As for the top of the page.

edit area is on the page, I can start mark it out. Use the "Mannification hand come: of the page As soon as you make out the units on the Horzontal rules at the 25mm point to create a vertical guide end then

> ruler to create a ho nzontal guide That's two guides out of the way You can now cre-

A Atheoph this many polices may mone occurs each see in secreonry as help place all the issue required.



ate the other two guides for the

To remove a Guide', click on the role; where the Guide intersects it and the 'Guide' will disap-

6. Get in line Guides are useful for more than

mergins ere. They can also help you position elements on a page if we take the letterhead as an number of objects that need to be placed on the page. There is pege end the pieces of text for

have a rough mud map of what you want your letterhead to look like and the elements needed. This mud map can be used when putting your guides in place. If you Ime down the middle and meny lines ecross the page. With these in place, when I create my quickly out the elements in posi-

tion Especially if I have 'Snep To Let's take the centring of elements eround the guide as an example Most people cen guess where the centre of the page is. but if you place a line

right down the middle guess work involved and you get a much these lines ere oping to be used, take a look at the screenshot of the finished page with the and lines in place and











you'lt see how they work with

We're getting close to finishing. this tutorial, so I d better tell you how to save all these settings. 'File' menu and just under Export' is an Item called 'Save Doc Defaults This is used to save many of the default settings for If you want 'Show Rulers' on in future, make sure 'Show Rulers' is ticked in the View menu and then choose 'Seve Doc Defaults

A few words of warning before so make sure you firesh your first edding new ones to the secondpage. The other option is to create stationery which will Edeal with next month when we look at edding text to a document and everything that entarks . Larry Hickmott





4. On the Grid

You will probably notice that there is a senas of dots ecross your on, dick the tick next to 'Show Gnd' In the View menu. To hide the Grid go to the 'View' menu and click on the 'Show Gnd' menu rtem. With no bok next to it, you can see it is set to off

5. Guiding hand Of more use, in my humble opin ron, is the 'Guides' function. This is

pleced on your page to help you align elements, as well as give you an idea of where things go on the page The uses for 'Guides' in limitless and we will see a number of uses during this tutonal senes For now, I want to show you how to set some 'Guides' which will

es

aga

A 1970 Heap to Reid on, placing test objects to very near us the

Personal Paint

Tha wide ranga of Personel Paint's filters may saem a bit confusing and perhaps even a little redundant to meny Amiga artists. But this month we show you how they cen enhence your work, end skills, at the click of a button.



A The completed Jigurry picture abavelog for piecus placed next to the Taion they same from



certainly doesn't skimp on the features, And perhaps the most for a standard Amiga ert peckage is the lenge of special effects it offers High-brow, high-gost dedicated alternatives

which concentrate on image processing are all very well, but they pander to a niche market. With PRivit you can extend your flair and experiment to your heart's content and still have a great drawing package too

This month I'll be touning the range of effects available, offering a few ideas on the way on how you can soup-up your work, one form into a real eye-catcher here's how

So many features

Last month we focused on just one effect, stargograms. However, there are plenty more features lurking behind the Filters icon on the toolber Meinly you would use thase on digitised images, to add your personelity to them, work, and probably the nicest to use me Texture and Emboss, because they don't freak your onginal image about too much

For this tutorial, I've stuck with digressed images I've scanned in most of the images digitised images in the Amiga public domein. both on disk and CD, and if you're lucky enough to be connected to a bulletin board the things fairly finatle with images. Also, one of the joys of PPavar is that the source image doesn't have to be in the standard Amign ILBM/IFF format -

by the vast majority of computers A bit dotty

it can load in PCX and GIFs, which is supported One of the simplest and copiest effects you can impose on anythage is to render it down



A Bellevest deber settings crapts different offents. Inp right we form Charter links at 28 levels, below at 18 levels of alaster data and to the ielt dispersed dats with \$5 lavels

to its basic components of light and dark. The dither offect is ideal for this it screps the colour information, and Instead uses variously sized dots and patterns to build up a new picture - very much like a newspaper, where helitone dots perform the same function.

You might need this effect to allow your printer to make a better job of the image some black and white printers can't handle 256 colour images very well but can easily chum put a two-colour dot pattern. Or you might want to subdue the graphic image on agreen so it doesn't detract from a text mossece, which may get lost in the complex colour shades

Whatever your reasons, the effect venes the illustrations here show the types of



 Δ Assets of following, to term you image into resoccious sact the Feyl-Reinberg Inchesper, it's a form the the other delease, but were subdior K sous smaller, more regular potterns to practs the whole image



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pas take a long time to reader.







A Strangh Furnisal Faint throws every onlow and chade information return it was the dither bloss the sample as all recognisable and powinsary well as a manachesser prints. The librar need was despected date at 287 Seeds, which plant the best evaluable questry.

results you can expect. A bonus is that this effect is quick too – you simply select you dot scheme from the effects menu, drag out a rectangle and the image is zipply converted, using the current foreground and background endury combination.

Texture

United Different, which allows you to impose any number of toxicus on an image in a number of sextures on an image in a numberbout fashion, end only get too excited, Pfirmly just he sone texture and it's supposed to represent some coasis febror, such as Common, it's bescalely an embossed verse, which may or may not improve your subject. But on hitigas such as port lets it feets give a semi-blance of en oil painting, linkupth the waxers is so stringly it and too applicabilities.

Randomize

This effect actually achieves batter i issuits than its name implies and when used in the Oblique mode can turn a grey-scale image into something very close to a pencil sketch to bescole the establishment of sand, sheking them up, so you shalp edges disappear in a gillarly contact.

The affect can walk well on colour image



on ourse we appy a rose bypose at a mean on one ancomple. A gray acade digitared intege is traced min a posted objects by some the Kandisamaingle htm, which disturbs the udges of an image politicarity in counts a knowl-made leaf

too, where pastel and charcoal affects can be simulated. If you follow up with the blui effect, you can cleate some realistic looking brushwork which even rivals some of the techniques used in Photogenics.

Watercolour

Applying this effect to a digitized colour image produces some beautiful effects, more like coloured pencils than welercolour to my mand, but still quite sturning. It streeks as it blurs to turn en ordinary sneighbit into not quite e work of ert. but very nearly

Jigsaw

Heas a state example of the falls Through effect showing how you can use it to good effect intally I loaded in the image to the man prome and coupled it to the alternate society. This was simply to ensure the colour patter was sended in both or steres; and the state of the stat

penting the spo saw pase brush down on the ulterarts screen through a portion of the image from the most sciena in the stape of the lasteps of the la-



A Toraxe Pitte others a mar-shed facil, three eve on parameters to english, you can be store of the cases as then, the proting part at mindating casesse, but it is life and more, no tool to good arrange before you are not not be.

screen I had six jigsew-shaped peces, all correctly positioned in relation to each othal From time to time I flipped the brush honzontally (x key) or

simple process

times so that on

half e dozen



select our cut uckness with savin of the wife range at Sitem such aids. Heurs ore just three assumpton aboves burn, declare, candonize



A. The restance of the least cap he mad in superhaded an digitised enages then leaducage plants can be well to resemble a bear or masterpace with the effect.



A. Nord's the alternate scrow from the jupane picture abovery the ratused through passes from the team local image. Adding a hophight to the small peaces prove a real sames of automatics

vartically (y key) to add randomness. I added a white highlight to the image preces to edd a sense of depth by selecting white as the background partiting colour, and penting down each piece in turn with the right mouse button before offsetting it selightly and penting it down with the left button.

On the main image screen I used the onginel igrashy spece brush coloured black, and painted it down in the seme locations as the RubThrough pacess were steen from This lett on impression of missing pieces, and I placed the rubbed-through images from the steen as screen adjacent to the holes they would fill in the puzzle.

As a finishing touch I edded a slight shadwunder each piece before painting it down, by using the Darken 25% option in the Filters menu and the original jigsaw piece brush

Venus embossed

Here s an exemple of a superb effect which is The term refers to a technique which gives the impression that image lines have depth they look as if they are raised ebove the surface. To do this, the program works out where the edges are on e loaded image then adds a shedow end highlight to them, losing

ell the colour detail in the process The image I chose should look familier -It is a section of Boticelli's Birth of Venus, and was used as the basis for one of the flist. Peint, along with the mask of Tutankhamun and the gorille head), I scanned the detail in the palette from within PPaint for any text 'coloui/less colouis manu option end added a variety of huss to show that it makes very little difference to the overall image if

you have 250 grays, or 200 menu, it was then lust a matter of drawing out a rectengle to encompass the face, and

The emboss function is pretty robust, but there are no user-defined parameters to allow You to tweek it properly - which direction the light is coming from ar how high the emboss edge is But at least you can remove a lot of the unwanted 'noise from the picture by using the blui low' elfect on the

Remember, you can use as many effects

on a graphic as you like one after

gives us a much more

pleasant effect phese I used black away at the edges in a rough fashion To add stone effect image I added a diop shadow palette (in my case blue beckground).

image into the colour screen before pressing F1 to restore the image Next I moved the brush image,

offsetting it half a centimetre, before painting it on screen over the shadow colour

although simply a dark and light outling, looks as it too has been carved out of the stone That s it for this month I hope you've

473367

Effect

Embossed transparent text is an easy four stage process

de Placing fast no no mikasted kungs regulas a Pode work to make it appear as il it were socred from the rock, form a de hady-to-bollow perfe to how it's done

I Topus year test. 2. Cal it not on a break and hour! It down on a Mank swape [and key F2 to change it's calout to the currents paintin chance).

2 (Dept this levies) of Dept this gives in great single white, you it it down upon

4. Charges his text lives a class or to that of the heart-queened on effect making a more than his place is very

the north-charles have as that lever a give a need queen and great his four. But any there has

take but, but within and lates elong a queen and the place and great his four. But any the and have had,

then but, but within and lates elong a queen form a final and shadow. Faucting this four on a faction with

makin it against anisota, but this fact of the lamps!

> enjoyed learning hoe to make beautiful que stions. Next month I'll be beck with more expert guidance to help you fine-tune your skills with Amiga graphic packages. Until then

keep experimenting with PPaint Peter Lee



A The proposal image and around 250 props, taking up the whole



A from the culour polette yes can now one the freed unloses to cre ste compon while still exhibiting the integrity all your original work.





offert my're after white something not many imperfections





Son pic top cylic for how to seld text



Frequently asked questions

Having trouble communicating?

Don't worry, the Amiga has that lark sussed. A Null modem cable should soon see you interfacing with ell around you.

Q. What's the best way to move a lot of data between two Amigas?

(hun

- A. Fipppies are too slow, so had drives or some form of unmovable medic are the only sensable solution. If both mechanis have items a recond PCMCIA-siot based drive should do the tick. If both mechanis have 2/p drives or Syquest drives then you will only need to carry the disk certuidge between them.
- Q. What if one machine lan't an Amiga?
- A. Removeble media can be used with the Amiga and formatted to be either PC or Apple Mac readable. This silows large quentries of data to be swopped quackly and raliably.
- Q. Cen i link two Amigas via their serial porte?
- A, Yas, all you need as Null modern cable which worps over proving water than and four terms of the proving water than and four terms of the proving water than a fine that the proving water than a fine that the proving water than the proving water than the proving water than than the proving water than than than than the proving water than than than the proving water than than than the proving water than than the proving water than the province water than

- ■Q. Can I link the Amiga to other computars with a seriel line?
- A. Yes, Use a Null modern cable and run terminal emulation on both systems. You can then use the ZModern file standard to sand and receive files
- Q. How long can this cable be?
- A. Depending on the quality of the other and the spend is the of the other of the other and the spend is which you want to transfer date to tan matter. Beyond that you should be able to seath the total matters. Beyond that you sell yeard to respon to the telephone retwork and modern. Typocally, you will be able to transmit date at about 19,200 bits per second or greater, although sometimes 9,600 seems to be a sele limit.
- Q. Why do I need a modem for this?
- A. A modern will convert the sensi information from the Amiga into audio tonas which can be transmitted down the telephona line it will also convert audio tonas into senal information.
- Q. How fest le
- modam will transmit date at 28,800bits per second libes! This is about 2 8Kbytes a second, or sibout 10Mbytes am hour. It's not very fast compared with a haid drive, but it a cupita reliable A modam which oparists at 28,800bis end supports the current standerd is said to be 'V34'.

The semi-standard 28800K and VFast speeds have been superseded and you should try and go V34 whenever possible.

Slower 14K4 modams are not vary affordable and good value. The difference in speed is Susually not as diematic as you might think tithers is no difference at all when sending faxes! aithough if you are a heavy comms us

- Q. Can I use a modem designed for use with a PC?
- As long as the modern is an external version (i.e. a little box with a separate power supply you can use it with any modern.

 Amega. You will need to make sure the cable ends with a 75 way.

connector some PCs use Inough. If the modern is an internal caid, then in special colours—studies at the inspecial colours—studies at the laborate studies and the second will fit into the Amiga 2000, 3000 and 4000's PC 2011 o slots however, before it care he used some form of bindgaboatid is required. For exemple, the Golden Gata 2 caid from Eyetech will allow a PC modern and to

- Can I connect two modems together?
- A. Only by forcing one to diel the other
- Can the modem
- A. Yes and reperve them too but you will need suitable software. A program such as GPFex is your best bet
- Q. What ers the different fax 'cleanes'?
- A. Some moderns are Class 1, some are Class 2. Generally the older cheaper models are Class 1. Class 2 moderns are usually more widely supported with

fax software, although GPFax will now support Class 1 Class 1 lacks some features which will probably not be important to you, unless you run a Bulletin Board.

- Q. What software do I need to use a modem?
- A. That depends on what you want to do if you want to use a Sullatin Board, you will nised a teir minal simulation program, such as Term or JRBComm available from Public Domein libitatias You might also went to consider the commarcial Termita program from HiSolt

If you went to take part in FidoNat you can use a terminal program or deducated off-line reading software such as Spot, Spot requires another program called Trapdoor in pride to operate, both are sharewere

For internet access you will need AmiTCP and other programs for med, new or other facilities. There are more details on AmiTCP in the regular Wired World column.

- Q. Can games use modeme?
- A. Yes, some gemes which support Null modern links elso support moderns. Be weined this is a good way to earn yourself eleros telephone bill.
- Q. Can I connect Amigas with their parellel ports?
- A Yas, but not so easily as with sand pots. However is parallel systems have more west they can work so for fasts. Also freatly distributable programs such as Painter and commercial systems tike Liera offer advanced nativorting fiscillers, a disk drive on one machine behaves as though it was attached to enother. Parallel links cannot be used over telaphone lines with moderns though. John Kennady



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CD ROMS NOW AVAILABLE The residence of the control of the

lasterclass

One of the things the Amiga is best et is doing several things at once: find out how to make your own SlideShow in the Mesterclass.

proat Windows 95, I'm going to show you what multitasking multimedia is really about Using Affect to link together sound and pictures you can create some stunning slideshows And it's so easy to do thanks to the versatility of our Amige ARexor, if you need reminding

is the programming language which comes free with all Amiges and allows application programs to communicate with each other An application can launch an with enother program which is running in the background or alternatively an ARexr program can be started by the user from the Shall

If you have been playing with the great OctaMED 5 04 covar disk givesway from the September 1995 issue of CU Amige Magazine, you might have discovered a program called 'OctaMedPlayer' This small utility Is for playing back sound madules, no editing, no saving, only load and play It has been designed for situations when you only need a simple player program, for exemple, you might use a directory utility such as Directory Opus in which case you can configure OctaMedPlayer to handle any Mod files you select.

The player utility also has an ARexir port which means it's possible to control it from other programs. For this example slideshow we will need the OctaMedPlayer, plus a picture viewei piogram I'm using e viewer called FastView by John Handrikx because it has some

very useful features and it makes. a welcome change from tha Viewtek program I seem to use all the time You can find FastView (and Viswtek) on the Aminet (either the CD-ROMs or Internet site) or from The Heart of Gold BBS (use your modern to dial 01247 274919).

ARexx tricks

Affazor is a very simple language and is particularly easy to use You enter the programs using a standard taxt editor such as ED for perhaps something batter like GoldEd or Cyanus Ed) and save them to disk If you give the programs a name which ends in .rexx (ie program1 rexx) this helps mark them out as ARexx programs

There ere only a few tricks to know when writing Afferor programs and one of the first is to make sure you always start your program with a title, between comment markers. The comments era normally ignored by ARexor but for some reason it insiets that you use one on the first line Here is a simple ARexx program which you should type in and save as pipgram 1, rexx.

Frogram 1 A simple example say "Hello World!"

Now you can run the program using the 'rx' command from an AmigaDOS Shell If the RexxMast ground (if it is not, type RexxMast



A by doing all this on a PC then mater! PC limb and Windows 56 are all very well but Albert gives you to much more necessible controlling Stationach functions and progress

to start it) the ix commend will take the name of the program you give it lasauming that it ands in (axx) and executes it if you run our exemple program, you'll see something exciting like the screenshot on the bottom left of this page

With the proliminaries out of the way, we can now see how Affexor cen be used to control other programs. Find the OctoMedPleyar program and start it running. If you wish, minimise it to give yourself more space on the Workbench Next find a Mod tune to expenment with and save it to the RAM disk

Now enter the following program end save it as program2 raxx

Frogram 2 Controlling OctaMedFlayer address OCTAMEDFLAYER loadmod "ram; mod. mytunel" play

exit

If, when you run the program with 'rx', you see an error message auch as 'Host environment what found', this means that either the OctaMedPlayer is not running in the background, or that you have spelt its neme wrong in the address function in the first lines of the ARever program

It is the task of 'address' to make sure that ARexx sends instructions to the corract programs. Each piogram has a unique ARex part neme which program documentation.

run, you will say the player load the module and start playing it. exactly as though you had done t menually

Altered images Adding image control to our

Aftex program is slightly more difficult Ideally, we need a viewing program which also supports ARexor but unfortunately there eren't meny of those about.

use any program as though you had entered the commends direct-

can still make full use of a progiam such as FastView When you obtain and use FastView, you should experiment





A Grid#ED a companion office SchallES Mayor can be remotely controlled point, filture.

with it at the shall. When you are happy that it is working create a few Images in Deluxe or Personal Parat and save them as 1 iff, 2 iff

ARexor is as simple as using the option 'commend' efter the address function. This meens you could write a program to perform a directory listing as easily as this:

/* Pisplay a Directory listing */ address command 41-

The only catch is to make sure you enter any commands which inverted commes. like this

/* Display a Directory listing only of files created after 11:15 this morning */

sddress command. "list sincs 11:15"

using FastView

ıs

Bearing this in mind, here is a first ettempt at a progrem which

/ * Frogrem to display several images using the FestView picture viewez*/ sddress command

"fastview 1.iff" "fastylew 2.ice" "fastview 3.iff" emit

If you run this program you'll say a major problem immediately between pictures the

Workbanch display briefly reappears and then vanishes which gives a very unprofessional

Thankfully, FastView has an option which greatly improves FastView will displey one picture end then start loading in the next Only when the picture is fully loaded will it be displeyed

We can therefore elter pur program to look like this:

/* Program to display several images using the PastView pioture viewer with no glitches */ sddrsss command "fastview 1.iff 2.iff 3.iff " waitforpic delay

You can use wildcards if you don't want to specify all the files (try #? iff), and if you want more or less time between the images after the number 10. If you are loading files from floppy, the default time deley probably won't be long enough

Sound

estit

With both sound end video mas losed, it's time to link them

logethm into one multimedia

To make life easier, I have included several user-defined functions which keep the address

Creating your own functions is easy in AReiox You need to think of a name and put a colon() after want performed and end with 'i etum' To use your function precede the name with 'call and add some brackets. Here's a simple example

/* Function example */ oell hello |) hello: ssy "Esllo world"

return OK, here s the biggie a pro-

gram which loads a module or two, starts playing end then first drawer called pictures' and then You should be able to adapt it

to your own needs very easily and add more tunes or whatever else is needed. One passibility would be to edd some movement if you Viewtek, you can add commands to lond end play an enymetion as well as still images.

Viewtek will also play enimations directly from hard dave, which means you can create some very complicated. multimedia performances.

/* Slidsview program v.01 Start of Performance */ call loadtuns ("med.tunel")

cell pictures() cell playtune() call pauss | 10) osll loadtune | "med.tune2") cell playtane() cell piotures1()

axit

/* Music Player functions

loadtune: address OCTAMEDPLAYER filsname=erg[1) loadmod filename playtupet address OCTAMEDPLAYER

play stoptune: sddress OCTAMEDPLAYER play

return continuatume: address OCTAMEDPLAYER cont return

/* Image Viswer functions

pictures1: /* Display all the IFF images in the picture drawer */ address command "fastview pictures/87.iff waitforpio delay 10" pictures2.

/* Display sll the GIF images in the picture drawar */ sddress command "fastview pictures/87.gif waitforpio delay 10"

return /* Wiso */ TAXABLE OF /* Go to sleep for s num-

her of seconds 4/ address command delsy=arg(1) wait delay return

It's exectly this technique of using ARexx to link different progiams together which makes the If you think what we have just

done is pretty neat, believe me. you have only scraped the surface ARever own do just about anything you want it to do just for one exemple, with a little extra herdware it is even possible to use an old relevision remote conbol to play OctaMED modules or tum your Amige into a high lech presentation system John Kennedy

Workbench Patterns

I've had quite a lot of E-mail about Workbanch backdrops this month: it's good to see so many of you keen to banish the blue and grey for good. Remember to sand in your own backdrop set-up so that others can see what the Arrege is capable of.

If you want a high quality image such as the mountains and stream picture published lest month you will either need access to a very expensive scanner, or do what I did get it off a PhotoCD disk Many chemists and photo dealers will develop an ordinary 35mm film onto a special able software and hardware). Unfortunately the service is e little patchy at times (my local Boots couldn't promise delivery within a month) but the quality is superb A cheaper (and faster) elternative is to use an image processing program to generate images from scretch. Programs such

as Art Department Professional or Photogenics are excellent at creeting abstract images this these. Remember to keep the colours muted as you won't be able to read text dyes them. Many PD libianes also stock disks of textures which you can use as a basis



Logos, meanings and mysteries:



ParNET and vannes other CD ROM-related problems









Answers to queries on particular pieces of software



Music, sampling, MIDI and anything that makes a loud noise



tools to keep veus Armens rues ning smoothly.



Form-feeds, paga-breaks, preferences and ets. lots more!



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Everything the Internat



Not everything fits Into a placonhole, but enything you like fits in here



Got a problem? Our Amiga experts are on hand to solve all your Amige worries. Address your technical quaries to Q+A, CU Amige Magazine, 30-32 Ferringdon Lane, London, EC1R 3AU. Alternatively email us at Q+A@cuamiga.demon.co.uk.



Tony: If you have a problem with your Amign, any problem, don't hesitate to ask us. The answers follow ...



Met: I'm sleeping in the office at the moment I've got so much work to do, but it's worth it all when I answer your questions.



danne if you could give details of how to overclock the '020 to

Terry Wilson Radditch, Wores.

The simple answer to this is: you con't, I'm afraid. It's true that there is a 28MHz clock on the Amiga motherboard but it's only used for some of the eustom chips like Agaus etc Various clock double hacks were possible on the A590 but the A1200 has a surface mounted 68EC020 and it's not possible to medity this. The best bet is to sell your RAM board and pick up an Apolto 1220, This features a 28MHz 68020 and a 28MHz 65882. It costs £99 from Visage ou 0115 9642828 or E-Mail: virane@ianotts.co.uk. Mail: matthe wappoodle demon.co.uk

A3000 kicked



and I am having a lot of trouble just won't load, some of it crashas and the rest tall me I need v37+ of a library I have tried to required libraries onto my hard drive but then get told I need To get round this I downloaded Grabbook from Amenat and used it y' SCSI controller.

disk and triad to use that instead of my A3000's Kickstart file, but this didn't work aither I have also worked I don't know anyone else know where I can get Supar Kickstart v37 175 as I am gatting e****d off at not being able to

from Aminet Paul Beaton.

Via E-Mail. A3000s warmally come with Klekstort I.3 and 2.0 on disk, You coo scleet which ROM to 'sofikick' from the early stortap-sequence activated by holding both mouse buttons down after a cold boot (ie power must be switched off). The ROM version is asually sufficient, however some things will complain as you have already found out. More of a problem is the fact that the Workbench you have lastalled is 1.3. The 2.0 desks come with the A3000 so you should install them aver the 1.3 snstallation if you have but one boot disk However, you should have two boot partitions on HD The 2.0 oue should be activated by default. Stace you got the unit second hand, it seems t here has been some itegery-sokery rotar on with the system

installation. One cure would be to no out and purchase a capy of OS 3.1. This will replace your bont ROMs and give you fresh 3.1 Workbeuch disks ensuring that you are completely up to date in both Kickstart and Workbench. The reason you eno't use ROM Images from the A500 is that they differ from the A3000. The A3000 ROM is tailor made for the exactly hardware like the A3000's built in

Elusive ROMs I have an Amiga



card in my A2000 The problem is the A2620 does not has the wrong ROM revision on need a pair of new ROMs Irev 6. or higher) I've triad for eges to get hold of these but can't find a supplier Can you help?

Bob Finamore Margata, Kant.

Sourcius appared firmware for Commodore peripherals has been very hard of late. Other products like the A2891 SCSI hourd also need ROM approdes to remain ascful. I'm afraid we've not heard where van mirht ret these ROMs. However, if any readers volunteer a solution we'll be glad to pass it on.

Fragmented memory



Having installed driva, the program does not seam to racognise my 6Mb upgrade in my Amiga 1200 and therefora I'm requesters When I chack the

about requestar I get the following messages. Free Chip Memory Free Fast memory Largest Chip Memory 1719K I estimate that it's anly recogniswhen in fact I do have 4+ Mb of memory for it to use Plesse help me - what do I do to make it recognise my available mamory?

Eddie Cousins

Sutherland, Scotland, Eddle, the problem you are experiencing is memory fragmentation. If you have 4Mb of RAM and set somewhere in the middle is a tiny amount of used RAM, the system will only be able to use 2Mb either. side of this fragment. Certoin Image FX operations regutre mussive quantities of continuous RAM, as

att smages are stored and processed

as 24-bit data. Using smulter pictures would certainly help. Also remember in delete ony buffees that are not in use und activate the Disable Undo button from the Imoge FX preferences menn if things get really right Another solution you could try is to use virtual memory which comes buth Into Image FX However, you'd have to sell youe RAM board and get one with a 68030 with an MMU on board in order to use this feature. White you're at it, you may as well upgrade your RAM if you can find the each - you're really going to need it if you're serious nhout imuse processing

A600 CD32?



to you 1 To run CD32 softwere. will I need to upgrade to 2Mb or will it run hoppily with 1Mb? Is There any CD32 software that won't run on my Amiga, if so which?

2.In the September Issue you blink of the ceps lock light meent a keyboard ROM error My Amiga has done this ever since I had it end nothing hes gone wrong You told this person that if problems ment keyboard, Why?

Michael, Nottingham.

1. You could indeed plug o PCMCIA CD-ROM into the A600. There's no way CD32 games will work however. This is because your OS is 2.0 and not 3.0 as the CD32 has. Yan have the ECS ehtp-set where the CD32 has AGA and finally the point you raised, you have 1Mb where all CD32 software will toke advantage of the butte-in 2Mb in that machine. if you want to play CD32 games, you'tt eithee need to buy a CB32 ar a A1200 and add a CD-ROM. The lattee won't work with everything. 2. We did incorrectly state that one flash meant a keyhoged ROM error.

in actual fact it is one firsh but repeatedly with the keyboard net functioning of all. It is normal for the cops lock key to flash once on

Black bands



Lecently bought e with it When Luse the Multiscan Productivity mode, even with full

right of the screen I have the faithers portable PC and to my

The company I bought the manufactures of the monitor will soon release a set of monitor davers that ere made specially for these drivers help get rid of the black borders? One last question is it possible to make my own. resolutions?

Stein Johanson Norway

Steln, what you are witnessing is a problem with the Microvitec 1438, A problem it's his brother the 1440 doesn't suffer from since it sports digital resizing. As you may or may not know, the 1438 doesn't have any controls to stretch the xereen horizomolly tike even the cheapest VGA monkors do This monitor is otherwise excellent, multi-syncling to PAL and the high scan modes like Productivity etc. but the screen width is set up for noemal VGA screen modes at 60Hz. I'm ofraid there's no solution for the dreaded black borders

We hope that Amiga Technologies will add hurrzontal string to this monitoe since it is destined to be rebudged under thete name as the afficial Amiga manifor, If they do, you'll need to resize every time you change between PAL and Productivity, It's very untikety that new drivers will solve the probtem and we haven't heard of any andce development

In answer to your last question, it is indeed possible to twenk your monitor settings with a Public Domotn program called Mon-ED but the results are rather ampredictable and generatty dteappointing. You'll have to get a new monttoe or soldier on

Muted Sound I've been using



cover disk with

samples so I've rumed to J S Allan

Bedford.

OctoMED's sample editor defauits to a rate of ShHz (C-2). This to too low for decens quality samples. To increase the sampling rate, peace F2 octave. The 'O' key on the keyboard will then represent C in the third octave (C-3) which corresponds to a frequency of 16726 hz or twice the defoult sample rate Ensee the s ample editor More the pointee to the box that has 'C-2' marked in so Hold the left mause button and press 'Q' or any other key to change the somple rate to the rate of the chosen note. Sampling at C-3 is obviously result in larger samples regulring more memory and disk space. Deum sounde and vecels are better sampled or E-3 as higher .

Devilish Datatypes



These formets I've read then MultiView uses Datetypes In would I get them end where would they go on my system?

a like to use the

S Been. Knnt

Datatypee are o sadty neglected, powerful aspect of the Amigos operating system. MultiView does indeed support Datatypes in fact that's the only way anything can be done at all with it. There ore very many difforest Datatypes available and they are not limited to tmoge file for mats! Sounds and other binary data

can be decoded to do various things if you have a Datatype to match the particular files you want to use

There are several GIF and JPEG datatypes available, if you have a CD-ROM, you can find them on the Ammet CD in the Aminetiatilidtypest directory. Many of them don't have tastollation scripts and must be installed by hand, It's helpful to datatype extension (en

know the two places where the files must be installed. The file with a GIF.datatype) goes on your Warkbench diskidD partition in classes/detatypes. The other files za in youe devs drawer on the same disk within the Datatypes directory. For instance 'GIF' and 'GIF.tnfo would reside there. Once invialled MnittView would then display GIF plesures just fine. However, there are plenty of viewers available that have in-built support for most Image types without needing Datatypes, Yon'll find some an the CD in the Amnetigfxishow directors.

Amiga 600?



Escom plan to

of the A600 Is this true? Hope soll I stert an electronic engineering course et uni scon so l'il have loans and overdrafts to spend on upgrade to e 1200 cos et uni we are using 69000 essembly lenguage for microprocessor and control eppircations. Anyway who needs 16 Meg + colours? Not II By the way, do you happen to know if I can I get Workbench/Kickstart 3.1 for my 2 04 Amiga 600? If so where from

how much etc? Steve Godfray

Eccom oren't putting the A660 back inte production, and you ean't upgrade your A600 to OS 3.1. You can run struight 68000 eosle on an A1200, so why not spend youe overdraft on one?



- JULY 1995
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Back chat

Letter of the month

Ting glad to use that Mat Bettimon has the bootst to stand up and statis in prior what meny of us Amiga users have been seying for years. (Regal 200 Cotober 1995). It's about time some of you stick in the must uppraded. Technology naves stands stifl, yet we have to put go with its winning of manage 500 users crumbing Kecksert viz 2, and a popy 30th of 190A; Whan viv 27, and a popy 30th of 190A; Whan viv 27, and 30 popy 30th of 190A; which is a supplied to 190A; which is an interest to 19

we wouldn't he able to anjoy the movilates that we have today. Back in the save judge of the weary days of the Amige I too owned an A500 with SMO of RAM and I thought it was the ber's knees. The catalyst that was the ber's knees. The catalyst that made me upgoeds was the excellent geme Duspen Mexter. The RAM upgrade cost made in the same are more a leg, but it was well worth it. It transformed my mechane no more multiple olds: wordy when trying to duplicate an 800K floppy disk.

But that was the 1890s, when the A500.

WAS the cutting edge of home computer

is changing. Time his moved on and within a couple of years the Amby was over-taken by the PC. [Boo = db. When Commodoir related the AT2001 purchased one and upgraded to over the Commodoir related to the AT2001 purchased one and upgraded to over the Commodoir related to the AT2001 purchased one and upgraded to over the Zapoc CD.ROM drive and 10Mb of PAM. The system works files a dream Rodhing deables, software operates right out of the box, there are local of membry membrane with PRO's and autorescuting the Sate of the AT2001 purchased the AT2001 pu

This is the beauty of the Amige It may not be the fastsst, most powerful computet in the world, it is, however, the most user friendly end easy to use system that people can use straight out of the box. without having to have a degree in electronics. The way forward is to expand and upgrade, show the hardware and softwere companies that we ere wifling to spend money and not sit on your hands . Remember this is a symbiotic errangement: they need our money end we need their products to get the most out of our Amiges. Otherwise they will end up as just enother expensive plastic coated pile of silicon in the bin.

A Misc that turns into en Amign, the A1200's new price teg end Mett whipping up a controversy surrounding his points of visw lest month. All this and more in this month's backchet. If you want to join in you know where to write to. You don't? Check out this box on this bottom

Thanks, but ...

And to think that I was going to write and esk If you could tell me anywhere where I could pack up PageStream? from thank you, thenk you and thrice, thank you And for not raising the price like Amigo Format did. thank you, thank you, end thrice, thank you.

Claire Clift Cardiff

So long! I'm sorry to say this is the last ever letter I em over writing to CU Amiga Magazine (I've written one before but it didn't get printed! and I will not be buying another issue. It's not that I resent you for not printing my letter, you probably get hundreds of them and obwously can't print all of them. It's not because you gave us a demo of DPsintV slx months before it was released end had me weiting with bated breath for what was basically a shaky upgrade It's cortainly not because I think you are actually a damn good magazine it's because I em buying a Playstatron. Productivity is all right, and you and all the other megazines are full of related reviews and tutonals, but to be honest when it comes down to it I'm not very creative and have wested a lot of money buying a printer and a genipck etc. I've given up. I've got a girlfnend and I'm getting a Playstation. Goodbye forever

Berry McBride Slough

An admirable self analysis and no missake But, for what ti's worth (since Mt McBride claims he will not be reading this?' good riddance! There's plenty

of creative people out these who will stack with the Amaga AND have grieffeeds, weves, boyfreeds or husbands and be happy with themselves Some might even have a Playstation too but since it does n't have a heyboard (infortunately) it hardly lends itself to DIV.

Bettinsong and dance What was that song and dance about last

What was that sering and united sould were countried in Med State of the countried in the same simplying that in a december of the countried in same simplying that in a december of the countried in the last couple of seven until Glore and Area Thee 43D, Has he been living upsaids down with binkers on he was same 1800°V What about Camon Fodder? What shoul Semable Source? Fire And leaf samples? Sem Felf Fination? Chaos Engme! The list goes on Come on Mat., Dey some real games

Trevor Bexter Cirencester

Now that you mention in Mail Betwards used to live want down, he be decide a ret wroning bilanter that you decide a ret wroning bilanter that you do status again all.). You're not the only person who threak ALL of the above triets warmer Me. Betwards robing a re-look at the score "I habe for the ligense, that you're, "Must her reposes The real point he wist sying to make frough was then publish are mared to keep developing and gaines in our the Analyse always. For each of the gainer you." Manual them was made to give any work mount for the research of the source you."

I think not ...

Do Ameja Tichnologias really think they can be all the Ameja for 500°P iven a uignade but the is a bit too much. I've bear with the Ameja for five years now! I have a -800°C plus and I think that I they are asking too much for the mothers, even if it has A64°C plusheds and all think I vent to sack with my Ameja but all the new application and battering reporter. I'm not satisfied with having to stick with my ASOO but it looks a though I'll heve to

Mr. M D Hervey Wakefield

If you have to stick with your A500 so he it B s a good machine but you can't expect commercial

Brush, bitter to

unterprises to keep producing new software which will work on your machine at a low price. Despite what you might think it's just not profitable, and the A500 is pretty primitive in terms of capability by today's standards. We are all Amiga fans and the A500 is dear to us. We would never put if down, but you have to be realistic As for AT's £399 price point, yes it should be lower in our apimon too, but maybe they cad's afford to sell is any cheaper. They are not the NHS Nothing is free or subsidised and the Amiga has to prove itself a viable and profitable proposition if it is to survive.

Amige emulator

I don't own an Amige and don't have any plans to because I have a Mecintosh SE30. Recently, I was at a friends house end he showed me Mediatash software working on his Amige 4000 fm told this was done with a public domein emuletor called ShapeShifter Since it is possible to emulste a Mecintosh on an Amige. I deduce that the reverse must also be to Amiga users. Where can I get an Amiga. emulator that will work on my SE30? How much would it cost?

A Mac User Birminoham

£399 Sorry, you'll have to buy a real Amiga, the MAC is just not as flexible as everyone yays

E-Meil boo-boo

I saw the details for your Internet E-Mail mailing-list published in the October CU Arriga However, it did not seem possible to subone I send the E-Meil from. I'd like to be able the mail doesn't clog up my awn mail-box I'd really like to be able to participate in this medaddress and if so, how do I do it?

E-Mall enquiry

THE FAR SIDE By GARY LARSON

The often remanticised image of cerebeys and allens.

A 12 indeed possible to subscribe another mati-box to the internal E-Mail masking list other than the of the dutails. The correct format to include in the body text of your E-Mail Is thus

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E-Mailod to enailur1@cu~ amiga.demon.co.uk.

New to comms

am very new to comms and very new to internet E-Mail. If this message gets to you shall be chaffed I use on E-Meil system on the PC network at work. It's based on Wordperfect and its very easy to use. However, I find internet E-Mad exreeseemly foggy! My biggest gripe is to surf the super hype way you have to have the following 2Mb of RAM which is permenently swellowed up by Amitop. Whether ye want it or not! You also need a held dove as none of the progs will even fit anto floopys! My latest version of Amasinc2 doesn't make enough temporary disk space 'cjarvis' (which is my surname!!!! when all ! want to do is view GIFs? I em following the

tutonal but as usual the authors naver seem to have these problems. Would someone please write an 'all in' self-contained Internet/mail package!

Chris Jarvis Via E-Matt

Subs compleint Having subscribed to CU Arrige for two years

while I was recently renewing my subscription I discovered that when a subscription is renewed there is no entry on your subs farm for a free gift etc. Is this an oversight on the part of your subscription department or do you feel that any parson that renews a subscription to CU doesn't deserve a gift or free offer? scriptions will also have the ability to receive excellent megazine

PS If you wish to send a subscription gift

Mark Dissington Via E-Mail

Bit of a sore point this one and our marks time department have now acknowledged it. On all promotions we state that they are available for a

Stardust one is now over However, on your behalf and on the behalf of other subscribers we (the editorial team) are on the case and we'll see if we can get our marketing team (headed by the wonderful Fiona Maliach) to come up with a more sansfactory solution

Clear The Air

sbout? Then send it to us at CU Amigo Magazina, Priory Court 30-32 Farringsio London ECTA 3AU or Emeil us at

TEAM TALK With the re-leunch of

the Amige the whole teem is in party mode. But whet's the strengest perty they've sver been to?

ALAN DYKES



I nece went to the slieged party' where the poly reason you could get not of your lieft quickly but it want so for 48 hours

USA COLLINS



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TONY HORGAN



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MAT BETTINSON



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HELEN DANRY



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JOHN KENNEDY



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Supply and Demand

There ara thousands of CD32 owners out there just bagging for some eoftwara. Vet still some publishare feel that there isn't enough damand out there to warrant a relaesa, eays Greftgold guru Andrew Brevbrook.

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De have been erround for over 12 years now the for over 12 years now the second most popular forms; responsible for over 12 years now the second most popular forms; responsible for are gaining on corridge seller, and no wondar? This year cheaper quicker to menufacture and can carry much more offermation. The carry much more offermation? The carry much more offermation? So alles see for the PC, not the Amige A high because adding CD sudie end flaving no real storage lentilating can produce much the formation of the carry for the storage of the carry for the carry fo

Gimma Games

Diffill the control of the control o

Indeed although Crieftgold's first D32 title took a while to sort out, being new technology for us, subsequent titles have been ferly streightforward it took elour four months to prepure an interface between Fire & Irke end ArmigeDOS and then put in some AGA enthercement.

We also created shout 50 mutuates of CD sudio for the gama which slowed the south-effects to eccupy all for eudio channels which the music was playing. This has edded atmosphere to the gama and reduced the effects to one-atmits. Subsequently we have created CD versions of Undum 2 and Vinceps complete with their and Vinceps complete with their contractions.



own CD audio track

No Demand?

Liefonnessity we here than for been under the product of the sound product of the sound to the sound the sound to the sound to the sound down the sound to the sound down the sound to the sound down the sound to the sound would only here to sell in handward would only here to sell in handward to could be sound to the sound products this two these sound products the sound products the sound sound to the sound will work to buy them. What can would be sound to the sound to could be the sound to the sound
To do it ourselves would involve us gatting the manuels type-set mastering the gold disk CD and the organish of outlooks on Their we would need to set up a service to take orders, bank cheques, pack

CDs into envelopes and lick stamps. But enother plan might be for people to bomberd publishers with phone-cells and letters asking for CD versions. It really isn't that

drives out there end if magazines can aistify opvar-mounted CDs then there must be quite a few people that want them. The Amide is big in UK and Germany but. never made much of an impression in the U.S. So if there is any one out there that still wents CD software. I suggest you let some leave it too lata. The A1200 is still a great machine end I welcome its retailers will sell it and the softwere - which they were so quick to drop a year ago. That sent tors and publishers to us develop titles. We need to create a demand for software and not eccept that the PC is the only wey to go It mey be the last chance for the computer we love

Andrew Braybrook

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